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SUMMARY REPORT OF SOIL REMEDIATION AT HATHAWAY/JALK FEE LEASE PROPERTY LOCATED AT 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA

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SUMMARY REPORT OF SOIL REMEDIATION AT HATHAWAY/JALK FEE LEASE PROPERTY LOCATED AT 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA

1.0 INTRODUCTION

This report summarizes the results of soil remediation activities conducted for the Hathaway Oil Company (Hathaway) at the Jalk Fee Lease, located at 10607 Norwalk Boulevard in Santa Fe Springs, Los Angeles County, California (Figure 1). At the time of the assessment, the site was an undeveloped oil-field property located on the west side of Norwalk Boulevard north of Florence Avenue. The assessment was conducted by ATC Associates Inc. (ATC) in response to the request and written authorization of Mr. Pat Parks, with Hathaway and in general accordance with the contract dated May 26, 2000, between Hathaway and ATC. The site remediation was initiated on 15 August 2000.

2.0 SITE DESCRIPTION

The site is a former oil field and consists of approximately 8.9 acres of oil-field production land covered with native vegetation (grasses and weeds) and dirt access roads. Prior to the activities described in this report, there were nine oil wells (and related piping) and a tank farm on the site.

It is ATC's understanding that the site in the past was owned and operated by General Petroleum Company and later by Mobil Oil Company. These companies conducted operations at the site. Hathaway has leased the property and conducted oil-field production operations since the 1920s. The Mobil foundation now is the property owner. Mobil Foundation, the Hathaway and THE O'DONNELL GROUP, INC. (O'Donnell) are involved in a pending transaction whereby O'Donnell plans to acquire the property for redevelopment with three, two-story concrete tilt-up warehouse/distribution buildings once remediation has been completed and accepted by all of the appropriate regulatory agencies.

Nine oil wells have operated at the site. Five of the oil production wells previously were abandoned in place by others. In preparation for site redevelopment, the remaining four oil wells were also abandoned in place by others during the site remediation activities described in this report. The abandonment was done by Allenco under contract with the Hathaway with regulatory oversight by the California Division of Oil, Gas, and Geothermal Resources (CADOGGR) and the City of Santa Fe Springs Fire Department (SFSFD).

Piping, ranging in diameter from 2 to 12 inches was located throughout the property. In general, some of the piping on the property's perimeter was used by Hathaway while

piping in the interior portions as well as some of the piping on the perimeter of the site was used by Mobil Oil Company. Both companies used their piping to transport crude oil. As discussed below, Hathaway removed both theirs and Mobil's piping and ATC monitored the piping removal and collected confirmation soil samples for the Hathaway piping and some of the Mobil Oil Company piping. During the conduct of the field activities, Mobil Oil Company elected to have its representatives monitor areas of Mobil Oil Company piping where impacted soil was encountered.

It is ATC's understanding that Mobil Oil Company will further characterize and excavate areas where impacted soil was encountered in Mobil Oil Company piping excavation trenches. Based on information available to ATC, Mobil Oil Company is taking the responsibility for characterizing and remediating (as needed) fifteen of these areas at the site. Nine of these areas are designated as areas M1 through M9. Limited excavation occurred in these areas prior to Mobil Oil Company's taking responsibility for them. With the exception of the ATC-obtained analytical data (from soil samples collected from eight of these areas), these nine areas, shown on Figure 4, are not discussed in detail in this report. In addition, it is ATC's understanding that Mobil Oil Company will further characterize the following areas that had elevated concentrations of petroleum hydrocarbons or volatile organic compounds (VOCs) but were not excavated during monitoring by ATC. These areas are in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44). The location of these areas is shown on Figures 2A and 2B. It is ATC's understanding that Mobil Oil Company will be reporting on those activities in a separate report.

A tank farm containing twelve aboveground storage tanks (ASTs) occupied the northwest corner of the site and was demolished by Reliable Equipment under contract to Hathaway in September 2000. The soil beneath the former tank farm area was excavated as part of the remediation process. The tank farm excavation backfilling with engineered fill (by others) is pending as of the date of this report.

Five soil stockpiles related to Hathaway piping and the tank farm excavation were present on the site at the time this report was prepared pending off-site disposal. An additional nine soil stockpiles were also present on the site and awaiting disposal by others (presumably Mobil Oil Company).

The surface housings for three groundwater monitoring wells were observed at the site and are being monitored by Mobil Oil Company. These groundwater monitoring wells are designated MMW-3 to MMW-5. It is ATC's understanding that the wells were installed as part of a regional evaluation of groundwater quality. This evaluation is being overseen by the City of Santa Fe Springs and the State of California Regional Water Quality Control Board (RWQCB).

At the time this report was prepared, the site had been cleared of known underground oil piping and debris. The tank farm excavation was in the process of being backfilled by others with engineered fill and one or more Mobil Oil Company excavations were being backfilled under the oversight of Mobil Oil Company representatives. Stockpiled soil

that remained on the site was to be transported to one or more off-site disposal facilities by Hathaway and Mobil Oil Company.

3.0 HYDROGEOLOGIC SETTING

The site is located within the Santa Fe Springs Oil Field on the Santa Fe Springs Plain, which is part of the Montebello Forebay non-pressure area of the Central Basin. Groundwater is found throughout the region under unconfined conditions in the Recent Alluvium and in the Exposition Aquifer. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist of Recent Alluvium, predominantly of permeable sands, with lenses of silty sand and sandy clay, underlain by more than 400 feet of Older Alluvium. Beneath this alluvium is approximately 300 feet of Tertiary sediments, underlain by basement complex, which is considered bedrock for the purposes of this report.

The depth to groundwater present beneath the site in July 1996 was reported to range from 62 to 67 feet bgs and the direction of the groundwater flow was to the southwest (ATC, 2000b).

4.0 REGULATORY STANDARDS

The City of Santa Fe Springs Fire Department (SFSFD) and the City of Santa Fe Springs Planning Department (SFSPLD) have jurisdiction regarding remediation of impacted soil on the site. The SFSFD has taken the lead role in consultation with the SFSPLD. The clean-up standards cited in the table on the following page have been approved by the SFSFD to guide site remediation.

SFSFD-Approved Clean-Up Standards

Compound

Standard

From Ground Surface to 6 feet bgs

Petroleum Hydrocarbons (C6 to C12)

100 mg/kg

Petroleum Hydrocarbons (C13 to C22)

1,000 mg/kg

Petroleum Hydrocarbons (greater than C23) 1,000 mg/kg

Volatile Organic Compounds (VOCs)

PRGs

Arsenic and Lead

12 mg/kg with supporting background

information

Below 6 feet bgs

Petroleum Hydrocarbons (C6 to C12)

500 mg/kg

Petroleum Hydrocarbons (C13 to C22)

1,000 mg/kg

Petroleum Hydrocarbons (greater than C23) 10,000 mg/kg

Volatile Organic Compounds (VOCs)

PRGs

Arsenic and Lead

12 mg/kg with supporting background

information

Notes:

1. PRGs = Industrial Preliminary Remediation Goals as promulgated by the U.S. Environmental Protection Agency (USEPA) Region IX.

mg/kg = milligrams per kilogram (equal to parts per million (ppm)).

For stockpiled soil with a total lead result greater than 130 mg/kg will be transported off-site for disposal. If total lead exceeds 50 mg/kg soluble analysis will be performed. If soluble analysis exceeds the STLC for lead of 5 mg/kg the stockpiled soil will be transported off-site for disposal. If the soluble lead result is between 5 mg/l with the total result between 50 and 130 mg/kg, the soil will be left on-site and used as fill below future proposed parking lot areas or driveways.

A copy of the SFSFD work plan approval letter, dated 19 October 2000, with clean-up standards for the Hathaway Lease is included in Appendix A.

5.0 **OBJECTIVE**

The objective of the work described in this report was to document the removal of nearsurface soils impacted with elevated levels of petroleum hydrocarbons (crude oil) and volatile organic compounds at the Hathaway Lease site located at 10607 Norwalk Boulevard, in Santa Fe Springs, California.

6.0 SCOPE

ATC scope of work included:

- Monitoring and confirmation soil sampling and analysis during piping excavation and removal throughout the site. A total of 63 trenches were excavated and sampled.
- Monitoring and soil sample collection from four oil well excavations.
- Monitoring of the ASTs' removal from the former tank farm and excavation of impacted soil; and post-excavation confirmation soil sampling and analysis.

The scope of work was accomplished in general accordance with ATC's "Work Plan for Soil Sampling at the Hathaway Lease" dated 9 August 2000, and approved by the SFSFD in its letter dated 19 October 2000. A copy of the SFSFD work plan approval letter is included in Appendix A. This letter also contains the SFSFD-approved clean-up standards for the site.

7.0 FIELD ACTIVITIES

7.1 Piping Excavation Monitoring and Soil Sampling

Piping excavation and removal was initiated on 3 August 2000 under a contract between Reliable Equipment and Hathaway. ATC was retained by Hathaway to observe and document piping removal, monitor the excavation beneath each piping run for the presence of impacted soil, collect confirmation soil samples from exposed trench excavations, and have the samples analyzed in accordance with the SFSFD-approved work plan.

A photoionization detector (PID) was used to evaluate soil conditions in the field. Observed petroleum-impacted areas in the trench excavations were recorded on site drawings (see Figures 2A, 2B, 3 and 5B) and photo-documented. A hand auger sampler was used to collect confirmation soil samples from the bottom and walls of the trench and/or excavation. The soil samples were labeled with the date, sample number, and project number. The collected soil samples were delivered to a California-certified environmental laboratory with a request for 48-hours turn-around time on analyses. Soil sampling procedures are described in Appendix B.

Throughout the site 63 trenches (P1 through P63) were excavated to depths ranging from 2 to 4 feet bgs. A total of 93 soil samples (SB1 through SB92 and A2-B) were collected from the 63 trench excavations. Areas with observed petroleum hydrocarbon staining were further excavated until no staining was observed. Confirmation soil samples were then collected for laboratory analysis. See Figures 2A and 2B for trench and soil sample locations. Nine impacted areas (M1 through M9) were found during monitoring of Mobil Oil Company piping excavation and removal. The soil in 8 of the 9 petroleum

hydrocarbon impacted areas was initially excavated to depths ranging from 6 to 12 feet bgs. The soil was then sampled by ATC. Stained soil in area M9 was not sampled. Following the excavation work in these nine areas, Mobil Oil Company then took over the responsibility for further characterization (and remediation as needed) of these nine areas and the six areas in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44).

Eight soil stockpiles (S5, S6, S7, S11, S12, S13, S14 and S15) were generated from areas M1 through M8 and are scheduled to be disposed of off-site by Mobile Oil Company. Seven soil stockpiles (S1, through S4, and S8 through S10) contain soil that was generated from the oil well abandonment activities. Three of the stockpiles (S2, S4, and S9) contain petroleum hydrocarbon impacted soil and are pending disposal by Hathaway. Four soil stockpiles (S16, S17, S18 and S19) were generated from the former tank farm excavation. Two (S16 and S18) are to be disposed of off-site by Hathaway and stockpile S19 is to be disposed of off-site by Mobil Oil Company. Soil stockpiles with petroleum hydrocarbon concentrations below the SFSFD-approved clean-up standards have been used for on-site backfill. These were stockpiles S1, S3, S8, S10 and S17. They were reworked with subsurface soils on the south side of the site, in the proposed parking lot areas. See Figures 3, 4 and/or 5B for excavation, soil stockpile, soil sample, and reworked soil placement locations.

7.2 Oil Well Abandonment Excavation Monitoring and Soil Sampling

Four oil wells (Jalk 111, Jalk 112, Jalk 113 and Jalk 117) were abandoned by others under contract with Hathaway and the supervision of the CADOGGR and the SFSFD. During abandonment of these oil wells, the upper section of the well casings were cut off and capped approximately 10 feet bgs. The soils were excavated around the well casing to a depth of approximately 10 feet bgs by Reliable Equipment in August 2000. For sample identification purposes these wells were designated W4, W3, W2 and W1, respectively. Their American Petroleum Institute (API) numbers are 037-15486, 037-15487, 037-15488, and 037-15490, respectively. Twelve soil samples were collected from the base and two walls of each well excavation for analysis. In addition duplicate soil samples were collected from the excavation for well Jalk 112 (W3) for additional analysis.

A total of approximately 95 cubic yards (estimated to be approximately 125 tons) of petroleum hydrocarbon impacted soil was removed from the oil well excavations and stockpiled on-site pending off-site disposal. See Figure 4 for abandoned oil well excavation and soil sample locations.

7.3 Tank Farm Monitoring and Soil Sampling

Reliable Equipment removed a total of 12 ASTs (designated as tanks A through L to facilitate soil sample labeling and identification) and associated piping from the former tank farm located on the northwest corner of the site. A crude oil sump (approximately 10 feet in length, 10 feet wide and 8 feet in depth) located on the northeast corner of the tank farm was also removed. A total of 46 soil samples (T1 through T46) were collected from the vicinity of the former crude oil ASTs' clean-out sumps, the former wastewater

ASTs, and the former surface runoff and the crude oil sumps. Three petroleum-impacted areas (P1, P2 and P3) within the tank farm excavation were observed and further excavated to depths ranging from 8 to 12 feet bgs. The average depth in the remaining tank farm excavation was approximately 4 feet bgs. A total of approximately 1,840 cubic yards (estimated to be approximately 2,400 tons) of impacted soil were excavated from the former tank farm area pending off-site disposal by others under contract to Hathaway. Post-excavation confirmation soil samples were collected from the tank farm area. See Figures 5A and 5B for soil sample locations.

8.0 ANALYTICAL RESULTS

The soil samples collected were delivered to SunStar Laboratories, Inc., a State-certified laboratory, in Tustin, California. Sample control was maintained by standard chain-of-custody procedures. The soil samples collected were analyzed as follow:

- Confirmation soil samples collected from piping trench excavations were analyzed for total petroleum hydrocarbons (TPH-cc, in the SFSFD-requested carbon ranges C6 to C12, C13 to C22, and >C23) and arsenic in general accordance with EPA Method Nos. 8015M and 6010, respectively.
- Confirmation soil samples collected from the piping trench excavations, located along the south property line (perimeter) in the vicinity of the adjacent, off-site Continental Heat Treating facility, were analyzed for volatile organic compounds (VOCs) in general accordance with EPA Method No. 8260B.
- Confirmation soil samples collected from the oil well excavations were analyzed for TPH-cc in general accordance with EPA Method 8015M, VOCs in general accordance with EPA Method 8260B, and for semi-VOCs in general accordance with EPA Method No. 8270.
- Confirmation soil samples collected from the former tank farm excavation were analyzed for TPH-cc, VOCs, and Title 22 metals, in general accordance with EPA Method Nos. 8015M, 8260B, and 6010, respectively.
- Soil samples collected from the soil stockpiles were analyzed for TPH-cc, semi-VOCs, PCBs, and Title 22 metals in general accordance with EPA Method Nos. 8015M, 8270, 8080, and 6010, respectively.

See Tables 2 through 5 for a summary of the detected concentrations in the analyzed soil samples. The laboratory reports are in Appendix C through Appendix F.

8.1 Piping Excavation Trenches

Elevated concentrations of TPH-cc, primarily in the C13-C22 and >C23 carbon ranges, above the SFSFD-approved clean-up standards, were reported in soil samples collected from piping excavations designated as M1, M2, M3, M6, M7 and M8. The TPH-cc

concentrations reported in soil samples collected from M4 and M5 were below the SFSFD clean-up standards. In addition, elevated concentrations of TPH-cc were also reported in soil samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44). An elevated concentration of tetrachloroethene (PCE) (100 milligrams per kilograms (mg/kg)) was only reported in sample SB49 collected from trench P29 located near the site south perimeter. Arsenic concentrations in all of the analyzed confirmation soil samples collected from the piping excavation trenches were below the SFSFD-approved clean-up standards (Table 2).

8.2 Oil Well Excavations

The TPH-cc, VOC and semi-VOCs concentrations in all of the analyzed confirmation soil samples collected from the four oil well excavations were well below the SFSFD-approved clean-up standards (Table 3). For the most part there were no detectable concentrations.

8.3 Former Tank Farm Excavation

In the excavation below the former tank farm, three areas of stained soil indicative of petroleum hydrocarbon impacted soil were encountered. These areas were:

- P1 in the northeastern part of the excavation beneath the former sump and adjacent areas;
- P2 in the center of the excavation (beneath former tank B's clean-out; this was a former crude oil aboveground storage tank); and
- P3 in the northwestern part of the excavation north of the northwest corner of the former tank farm.

In area P1 the soil beneath the former sump was prominently stained with petroleum hydrocarbons and had a noticeable petroleum hydrocarbon odor. Because the bottom of the former sump was at a depth of approximately 11 feet bgs, the visually stained soil was removed to this depth even though the laboratory did not report elevated concentrations of petroleum hydrocarbons in the initial soil samples (e.g., T4 and T11 collected at a depth of approximately 5.5 feet bgs as shown on Table 4). The following table summarizes results of the confirmation soil sampling in this area.

Area P1 Confirmation Soil Samples

Sample No.	Wall/Bottom	Depth (ft)	C13-C22 (mg/kg)	<u>>C23 (mg/kg)</u>
T9	Bottom	11	150	٠ 40
T25	East Wall	6	ND	ND
T35	Bottom	10	ND	ND
T40	Bottom	10	ND	ND
T41	East Wall	8	ND	ND
T42	North Wall	7	ND	ND
T43	South Wall	8	ND	ND
T44	West Wall	7	ND	ND
T45	North Wall	8	ND	ND
	•			

In area P2, soil sample T5 collected at a depth of approximately 5.5 feet bgs had a C13-C22 concentration of 1,100 mg/kg which was slightly above the standard of 1,000 mg/kg. Soil was subsequently excavated in this area to a depth of approximately 8 feet bgs as shown on Figure 5B. The following table summarizes the results of the confirmation soil sampling in this area.

Area P2 Confirmation Soil Samples

Sample No.	Wall/Bottom	Depth (ft)	C13-C22 (mg/kg)
T3	West Wall	5.5	120
T33	Bottom	8	ND
T34	South Wall	7	ND
T38	East Wall	7	ND
T39	North Wall	6	ND

In area P3, soil samples T15 and T31 had elevated concentrations of C13-C22 and T15 also had an elevated concentration of >C23 carbon range petroleum hydrocarbons as summarized in the table below and in Table 4.

Soil was subsequently excavated to a depth of 12 feet as shown on Figure 5B. The following table summarizes the results of the confirmation soil sampling in this area.

Area P3 Confirmation Soil Samples

Sample No.	Wall/Bottom	Depth (ft)	C13-C22 (mg/kg)	>C23 (mg/kg)
	Bef	ore Additional E	excavation	
T15	West Wall	5.5	8,500	2,100
Ì	Aft	er Additional E	xcavation	i
T31	Bottom	8	5,200	2,500
	Aft	er Ádditional Ex	cavation	
T32	West Wall	7	ND	ND
T36	North Wall	6	680	820
T37	East Wall	6	ND	· ND
T46	Bottom	12	ND	ND

The VOC concentrations in the analyzed confirmation soil samples collected from the former tank farm excavation were well below concentrations that would be of concern (e.g., U.S. EPA PRGs for industrial sites). The metals' concentrations were consistent with background concentrations reported for the Western United States (Fink, 1996; Shacklette and Boerngen, 1984). The total lead concentration was 12 and 3 mg/kg in soil samples T1 and T2, respectively. Both these soil samples were collected at a depth of

approximately 5.5 feet bgs. Both of these are below the inferred SFSFD-approved cleanup standard of 50 mg/kg.

8.4 Stockpiled Soil

Selected stockpiles had elevated concentrations of petroleum hydrocarbons. The elevated concentrations included all three carbon ranges with maximum concentrations of C6-C12: 9,500 mg/kg; C13-C22: 35,000 mg/kg; and >C23: 44,000 mg/kg. Those concentrations are summarized in Table 5. The laboratory reports are presented in Appendix F. Maximum concentrations of semi-VOCs included 17 mg/kg 2-methylnaphthalene, 8.8 mg/kg fluorene, 8.4 mg/kg phenanthrene, 2.3 mg/kg pyrene, and 2.0 mg/kg chrysene. These were the only detected compounds in soil samples collected from the oil well excavations' soil stockpiles. No semi-VOCs concentrations were reported in the analyzed soil samples collected from the oil well excavations. No PCBs concentrations were detected in the analyzed soil samples collected from the oil well excavations' stockpiles. Metals concentrations were considered to be background concentrations with the exception of the reported total lead concentration of 210 mg/kg in one soil sample collected from stockpile S9.

9.0 STOCKPILED SOIL DISPOSAL

Soil generated during remedial excavation activities was temporarily stockpiled on-site. Stockpiles S1, S3, S8, S10, and S17 were temporarily stored on site until being reworked with other surficial soils and then placed in areas where planned on-site parking is to be paved.

Stockpiles S2, S4, S9, S16, and S18 have been temporarily stored on-site waiting for transport (by others under contract to Hathaway) to a State-certified disposal facility. These stock piles included approximately 95 cubic yards (estimated to be approximately 125 tons) of impacted soil, generated from the excavations for abandoned oil wells Jalk 111 and Jalk 112 and approximately 1,840 cubic yards (estimated to be approximately 2,400 tons) of impacted soil generated from the former tank farm remedial activities. Copies of the soil disposal manifest forms will be forwarded to the SFSFD when they are received by ATC. See Table 5 for the soil stockpiles' laboratory analytical results.

Stockpiles S5 through S7, S11 through S15, and S19 have been temporarily stored on-site waiting for transport by others under contract to Mobil Oil Company to a State-certified disposal facility. Analysis of the concentrations of petroleum hydrocarbons, VOCs, semi-VOCs, PCBs, and/or metals is the responsibility of Mobil Oil Company as is disposal of the soil in those stockpiles.

10.0 BACKFILL AND COMPACTION

The piping excavations (with the exception of areas M1 through M9) were backfilled with adjacent soils by Reliable Equipment. The soil was compacted using a backhoemounted small "sheepsfoot" roller.

The four oil well excavations were backfilled with fill from West Coast Sand and Gravel facility and site soils that was compacted by Reliable Equipment in September 2000. Reliable Equipment compacted the fill using a backhoe-mounted "rumbler" unit. It is ATC's understanding that the soil above the abandoned oil wells is to be re-excavated at a later date, during site development, when vent cones are to be installed.

According to Reliable Equipment, the former tank farm excavation will be backfilled with fill materials from West Coast Sand and Gravel facility in Irwindale and/or Riverside, California. The fill will be placed as engineered backfill in the excavation and compacted by Reliable Equipment and under the supervision and testing of Norcal Engineering Company, as requested by THE O'DNNELL GROUP, INC. It is ATC's understanding that copies of the compaction test results and certifications for backfill of the tank farm excavation are to be provided by Reliable Equipment to Hathaway.

11.0 DISCUSSION

11.1 Piping Trenches - Hathaway

Based on the results of this remedial investigation, relatively low concentrations of TPH-cc were reported in soil samples collected from the piping trenches located on the site that were Hathaway's responsibility. These concentrations are well below the SFSFD standards for remediation of impacted soil at Hathaway Lease site. No elevated concentrations of VOCs or arsenic were reported in the sampled soil from the Hathaway piping trenches. The piping excavation trenches have been backfilled with adjacent soils by Reliable Equipment.

11.2 Piping Trenches - Mobil

During this remedial investigation, elevated concentrations of TPH-cc were reported in soil samples collected from selected piping trenches (Mobil Oil Company piping as reported to ATC) located on the site that are Mobil Oil Company's responsibility. These concentrations are above the SFSFD-approved clean-up standards for impacted soil remediation. These impacted areas are included in the excavated areas designated as M1 through M8 in the vicinity of trenches P10, P15, P34, P52, P55, and the area of Boring A2 and piping confirmation trench T1 (collectively also designated as area M9). The TPH-cc impacted areas were also encountered in the areas where samples were collected: SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), and SB77 (trench P44). In addition, an area of elevated VOC concentration above the SFSFD-approved clean-up standard was encountered in soil sample SB49 (collected from trench P29). It is ATC's understanding that the areas with elevated TPH-cc and VOC concentrations are to be further investigated (and remediated as necessary) by Mobil Oil Company. No elevated concentrations of arsenic were reported in sampled soil from the Mobil Oil Company piping trenches.

11.3 Abandoned Oil Well Excavations

Based on the results of this remedial investigations, no elevated concentrations of TPH-cc, VOCs or semi-VOCs were reported to be above the SFSFD-approved clean-up standards for the site in the analyzed soil samples collected from the four abandoned oil well excavations. These excavations were backfilled and compacted by Reliable Equipment in September 2000.

11.4 Former Tank Farm Excavation

A total of 12 crude oil/ wastewater ASTs (designated as Tanks A through L to facilitate sample labeling and tracking), associated piping and a sump were demolished and removed for reuse as scrap. Soil samples were collected from the vicinity of the crude oil ASTs clean-out sumps, the waste water ASTs, the surface water runoff sump, and the oil sump adjacent to the northeast corner of the former tank farm for analysis. After the ASTs, related piping, and sumps were removed, soil was excavated to a depth of approximately 4 feet bgs. Soil in three areas was observed to be visually stained with petroleum hydrocarbons. Impacted soil in these three areas (designated P1 through P3) were further removed and sampled. This resulted in the three areas being excavated to depths of approximately 8 to 12 feet bgs. None of the subsequent confirmation soil samples had concentrations of analyzed constituents that exceeded their respective SFSFD-approved clean-up standards as discussed further below.

During excavation and abandonment of the crude oil sump, staining indicative of petroleum-impacted soil was observed in the former tank farm excavation, southwest of the crude oil sump. The stained soil appeared to be from piping which was removed along with the ASTs. The petroleum-impacted soil was excavated from this area (P1) to an approximate depth of 10 feet bgs. Confirmation soil samples (T9, T25, T35, and T40 through T45) were collected from the base and walls of the P1 excavation. Based on the laboratory results, no petroleum hydrocarbons exceeded the SFSFD-approved clean-up standards in the analyzed confirmation soil samples collected from area P1.

According to the laboratory analytical results, elevated concentrations of TPH-cc were detected in soil sample T5 which was taken from the vicinity of Tank B clean-out sump. This area (T5) became part of excavation P2, which later excavated to approximate depth of 8 feet bgs. Confirmation soil samples (T3, T33, T34, T38 and T39) were collected from the bottom and walls of P2 excavation. Based on the laboratory results, no petroleum hydrocarbons exceeded the SFSFD-approved clean-up standards in the analyzed confirmation soil samples collected from area P2.

Surface stains were also observed in soils beneath the northwest corner of the former tank farm. It was reported to ATC by a representative of Hathaway that the impacted soil in this area was due to a crude oil spill by Mobil Oil Company. Soil samples T15 and T31 were collected from this area (P3). Elevated concentration of TPH-cc were reported in these soil samples. Impacted soils in excavation P3 were subsequently excavated to an approximate depth of 12 bgs. Confirmation soil samples (T32, T36, T37, and T46) were then collected from the bottom and walls of the area P3 excavation. Based on the

laboratory results, no petroleum hydrocarbons exceeded the SFSFD-approved clean-up standards in the analyzed confirmation soil samples collected from area P3.

11.5 Soil Stockpiles - Petroleum Hydrocarbon Impacted Soil

Approximately 95 cubic yards (estimated to be approximately 125 tons) of impacted soil were removed from two of the four abandoned oil well excavations. These soils have been stockpiled on site pending off-site disposal (by others under contract to Hathaway) at an off-site State-licensed facility.

Approximately 1,840 cubic yards (estimated to be approximately 2,400 tons) of impacted soil were removed from the former tank farm and have been stockpiled on site pending off-site disposal by others (under contract to Hathaway) at an off-site State-licensed facility.

In addition to the impacted soil that is scheduled to be disposed of by Hathaway, stockpiles S5 through S7, S11 through S15, and S19 have been temporarily stored on-site waiting for transport by others under contract to Mobil Oil Company to a State-certified disposal facility.

11.6 Soil Stockpiles - Non-Impacted Soil

Based on field observations and the receipt of laboratory analytical results, the TPH-cc concentrations in the analyzed soil samples from stockpile S1, S3, S4, S8, S10 and S17 were below SFSFD-approved clean-up standards for site soils. The soil in all of these stockpiles except S4 were reworked with near-surface soils and placed as fill in planned parking areas along the southern part of the site. Although the sampled soil in stockpile S4 had TPH-cc concentrations below the SFSFD-approved clean-up standards, Hathaway elected to dispose of the soil in stockpile S4 along with the soil in the stockpiles cited above in Section 11.5 at an off-site State-licensed disposal facility.

12.0 CONCLUSIONS

Based on the information presented in this report, current regulatory standards, the SFSFD-approved cleanup standards, and the judgment of ATC, the following conclusions have been drawn:

12.1 Piping

The TPH-cc or VOC concentrations in analyzed soil samples collected from the piping trenches were below the SFSFD clean-up standards, except for areas included in the excavations designated as M1 through M9 and the areas in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44). These areas are being characterized (and remediated as necessary) by Mobil Oil Company

12.2 Four Abandoned Oil Wells

• The TPH-cc, VOC and semi-VOCs concentrations in analyzed soil samples from the four abandoned oil well excavations are below the SFSFD clean-up standards.

12.3 Former Tank Farm

• The TPH-cc and VOC concentrations in confirmation soil samples collected from the former tank farm are below the SFSFD clean-up standards.

12.4 Stockpiled Soil

- The TPH-cc concentrations in the analyzed soil samples from stockpiles S2, S5, S6, S7, S9, S11, S12, S13, S14, S15, S16, S18 and S19 are above the SFSFD clean-up standards.
- The TPH-cc concentrations in analyzed soil samples in stockpiles S1, S3, S4, S8, and S10 are below the SFSFD clean-up standards.

12.5 Completion of Remediation

There is a very low likelihood that petroleum hydrocarbons (TPH-cc), VOCs, semi-VOCs, or metals-impacted soil remain in the areas of the former piping, four recently abandoned oil wells or former tank farm with the exception of areas included in those designated M1 to M9 and the areas in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44) that are being addressed by Mobil Oil Company.

13.0 RECOMMENDATIONS

Based on the information presented in this report, current regulatory standards, the SFSFD-approved cleanup standards, and the judgment of ATC, the following recommendations are presented for consideration:

13.1 Former Tank Farm

Backfill the former tank farm excavation with engineered fill.

13.2 Stockpiled Soil

- Dispose of the soil from stockpiles S2, S5, S6, S7, S9, S11, S12, S13, S14, S15, S16, S18 and S19 at a facility licensed by the State of California.
- The placement of soil from stockpiles S1, S3, S4, S8, S10 and S17 as fill in planned, parking areas (that are to be paved) at the site is consistent the SFSFD-approved cleanup standards.
- Characterization and remediation (as necessary) of areas M1 through M9 is the responsibility of Mobil Oil Company.

13.3 Manifests

 Manifests for the disposal of soil handled by Hathaway's contractors are to be forwarded to the SFSFD following receipt by ATC.

13.4 Issuance of a No Further Action Letter

• Following Mobil's submittal of the appropriate documentation, the SFSFD and SFSPLD are requested to grant site closure and issue a no further action (NFA) letter.

14.0 LIMITATIONS

The judgments, conclusions, and recommendations described in this report pertain to the conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein and this report is not intended for use in future evaluations of the site unless an update is conducted by a consultant familiar with environmental assessments and/or subsurface investigations. Use of this report is provided to Hathaway Oil Company and THE O'DONNELL GROUP, INC. solely for their exclusive use and shall be subject to the terms and conditions in the applicable contract between Hathaway Oil Company and ATC. There is to be no third-party use of this report without the express written authorization of ATC. Any authorized third-party use of this report shall also be subject to the terms and conditions governing the work in the contract between Hathaway Oil Company and ATC. Any unauthorized release, use, or misuse of this report shall be without risk or liability to ATC.

Certain information contained in this report may have been rightfully provided to ATC by third parties or other outside sources. ATC does not make any warranties or representations, whether expressed or implied, regarding the accuracy of such information, and shall not be held accountable or responsible in the event that any such inaccuracies are present.

15.0 REFERENCES

- ATC Associates Inc., 2000a, Methane gas survey results at the Hathaway lease property at 10607 Norwalk Boulevard in Santa Fe Springs, CA: Unpublished letter report prepared for THE O'DONNELL GROUP, INC., Newport Beach, CA, dated 6 January 2000.
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- Fink, C.R., 1996, A perspective on metals in soils: Journal of Soil Contamination, v. 5, no. 4, pp 329-359.
- Shacklette H.T., and Boerngen, J.G., 1984, Element concentrations in soils and other surficial materials of the conterminous United States: U.S. Geological Survey Professional Paper 1270, U.S. Government Printing Office, Washington, D.C., 105p.

TABLES

TABLE 1. PIPING DIAMETER SUMMARY

Trench No.	Number of Pipes	Piping Diameter (inches)
Trench P1	1	3
Trench P2	1	3
Trench P3	1	3
Trench P4	1	3
Trench P5	1	3
Trench P6	1	3
Trench P7	1	3
Trench P8	1	6
Trench P9	1	3
Trench P10	2	4 and 6
Trench P11	1	3
Trench P12	1	3
Trench P13	1	3
Trench P14	1	3
Trench P15	1.	6
Trench P16	2	
Trench P16 Trench P17		2 and 3
	2	3 and 3
Trench P18	1	6
Trench P19	1	3
Trench P20	2	3 and 6
Trench P21	1	6
Trench P22	1	3
Trench P23	1	4
Trench P24	4	1.5, 2, 3 and 4
Trench P25	2	2 and 4
Trench P26	2	4 and 6
Trench P27	1	3
Trench P28	1	2
Trench P29	5	2, 3, 4, 4, and 6
Trench P30	1	3
Trench P31	1	12
Trench P32	1	4
Trench P33	1	2
Trench P34	1	3
Trench P35	1	2
Trench P36	1.	3
Trench P37	1	3
Trench P38	1	3
Trench P39	i	3
Trench P40	1	3
Trench P41	i	3
Trench P42	1	3
Trench P43	1	3
Trench P44		2
Trench P45	1	3
		3
Trench P46		
Trench P47	1	3
Trench P48	- 1	3
Trench P49	1	3
Trench P50		4

Sample No.	Depth (ft)	Sample Location/ Trench/Pipe Owner	C6-C12	C13-C22	>C23	VOCs ·	Arsenic
SB38	2	Trench P28/ Hathaway	ND	ND	ND		
SB39	5	Trench P20/Mobil	16	2,500	3,400		
SB40	5	Trench P15/Mobil	ND	180	1,200	•••	
SB41	4	Trench P25/Mobil	ND	ND	ND		
SB42	4	Trench P25/Mobil	ND	ND	ND		
\$B43	4	Trench P25/Mobil	ND	45	510		
SB44	4	Trench P25/Mobil	ND	ND	ND		
SB45	4	Trench P25/Mobil	ND	ND	ND		
SB46	4	Trench P25/Mobil	ND	35	500		
SB47	4	Trench P25/Mobil	ND	ND	ND		
SB48	4	Trench P29/	ND	ND	ND	0.019	
3040		Hathaway/Mobil	ן יים	110	ND	(tetrachloroethene)	
SB49	4	Trench P29/	19	150	710	100	
3047		Hathaway/ Mobil	1	130	/10	(tetrachloroethene)	
SB50	5	Trench P29/	ND	ND	ND	0.840	
ODSO	_	Hathaway/ Mobil	1,12		1.12	(tetrachloroethene)	
SB51	5	Trench P29/	ND	ND	ND	0.065	
ODSI		Hathaway/Mobil	1112	1112	110	(tetrachloroethene)	
SB52	4	Trench P29/	ND	ND	ND	ND ND	
3032]	Hathaway/ Mobil	110	1115	ND	ND	
SB53	4	Trench P31/Mobil	ND	32	690		
SB54	4	Trench P31/Mobil	ND	16	190		
SB55	3	Trench P33/Mobil	ND	ND	ND		
SB56	3	Trench P33/Mobil	ND	17	300		
SB57	3	Trench P32/Mobil	ND	22	160		
	3	Trench P32/Mobil	ND	37	480		
SB58 SB59	3	Trench P35/Mobil	ND	30			
	5	M5/Bottom/Mobil	ND	ND	340		
SB60-B SB61-NW	4	M5/North Wall/	ND	ND	ND ND		
		Mobil					
SB62-B	6	M6/Bottom/Mobil	110	890	390		
SB63-EW	5	M6/East Wall/ Mobil	ND	110	360		
SB64	2	Trench P36/ Hathaway	ND	ND	ND		
SB65	3	Trench P37/Mobil	ND	33	140		
SB66	2	Trench P39/ Hathaway	ND	32	200		ND
SB67	3	Trench P38/Mobil	ND	ND	ND	0.023 (tetrachloroethene)	ND
SB68	3	Trench P38/Mobil	ND	ND	ND	ND	
SB69	3	Trench P38/Mobil	ND	40	300		
SB70	3	Trench P42/Mobil	ND	ND	ND	0.009 (cis-1,2- dichloroethene)	
SB71	2	Trench P46/ Hathaway	ND	ND	ND	ND	
SB72	4	Trench P54/Mobil	ND	ND	ND		
SB73-B	6	M4/Bottom/Mobil	36	490	510		
SB74-WW	5	M4/West Wall/	39	430	570		
או זו דועט	_	Mobil Mobil	-	.50	2.0		

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TABLE 3. OIL WELLS EXCAVATION

Sample No	Location/Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Semi-VOCs
W1-B	JALK 117 (W1)/Hathaway	10	ND	ND	ND	ND	
W1 (west side)	JALK 117 (W1)/Hathaway	8	ND	ND	ND		
W1-S (east side)	JALK 117 (W1)/Hathaway	8	ND	ND	ND	ND	
W2-B	JALK 113 (W2)/Hathaway	10	ND	78	180	ND	
W2-S (south side)	JALK 113 (W2)/Hathaway	8	ND	ND	ND	ND	<u> </u>
W2 (west side)	JALK 113 (W2)/Hathaway	8	ND	ND	ND		
W3-B	JALK 112 (W3)/Hathaway	11	ИD	ND	ND	ND	
W3-SW	JALK 112 (W3)/Hathaway	8	ND	ND	ND	ND	
W3-NW	JALK 112 (W3)/Hathaway	7	ND	ND	ND	ND	
W3-B1	JALK 112 (W3)/Hathaway	11					ND
W3-NW1	JALK 112 (W3)/Hathaway	8					ND
W3-SW1	JALK 112 (W3)/Hathaway	7		T			ND
W4-B	JALK III (W4)/Hathaway	10	ND	ND	ND	ND	
W4-EW	JALK 111 (W4)/Hathaway	8	ND	ND	ND	ND	
W4-WW	JALK 111 (W4)/Hathaway	7	15	ND	ND	ND	

ND = not detected above the laboratory detection limits

--- = not analyzed

Concentrations are in milligrams per kilograms (mg/kg)

C6-C12, C13-C22, >C23, etc. are the total petroleum hydrocarbon concentrations based on analysis conducted in general accordance with U.S.

EPA Method No. 8015m-cc

VOC's = Volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8260B. Semi-VOC's = Volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No.

TABLE 4. TANK FARM EXCAVATION

	T		1 00 010	1 (12 (22	1	Tuod	
Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals
—	TF-Tanks I, J & K/ Hathaway	5.5	ND	ND	ND	ND	93 Barium 3 Cadmium 25 Chromium 14 Cobalt 19 Copper 12 Lead 4 Molybdenum 16 Nickel 5 Thallium 30 Vanadium 50 Zinc
T2	TF-Tanks G & H/ Hathaway	5.5	ND	ND	ND	ND · ·	120 Barium 3 Cadmium 21 Chromium 14 Cobalt 20 Copper 3 Lead 4 Molybdenum 17 Nickel 5 Thallium 31 Vanadium 53 Zinc
T3	TF-Tanks E & F/ Hathaway	5.5	ND	120	ND	ND	**
T4	TF-Tank A clean- out/Hathaway	5.5	14	340	140	.006 sec- butylbenzene .023 naphthalene	
	TF-Tank B clean-out /Hathaway	5.5	14	1,100	260	.016 sec- butylbenzen .046 naphthalene	
	TF-Tank C clean-out/ Hathaway	5.5	23	730	290	.15 ethylbenzene .005 o-xylene .026 iso- propylbenzene .041 n-propylbenzene .007 1,3,5- trimethylbenzene .008 1,2,4- trimethylbenzene .024 sec- butylbenzene .007 p- isopropylbenzene .012 n- butylbenzene .013 naphthalene	
	TF-Tank D clean-out/ Hathaway	5.5	ND	300	160	ND .	

T12 TF-northeast of Tank F/ Hthaway T14 TF-south of Tank H/ Hathaway T15 TF-northeast of Tank H/ Hathaway T16 TF-northeast of Tank H/ Hathaway T17 TF-west wall/Mobil TF-west wall/ Hathaway T17 TF-west wall/ Hathaway T18 TF-south wall/ Hathaway TF-southwest corner/ Hathaway TF-southwest TF-southwest corner/ Hathaway TF-southwest TF-southwes	Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals
TF-oil sump/	Т8	sump/	5.5	ND	190	ND	tetrachloroethane .006 sec- butylbenzene	
T10	Т9		11	ND	150	40		
Till	T10	TF-Tank L/	5.5	ND	ND	ND	ND	
TF-northeast of Tank F	TII	of oil sump/	5.5	ND	ND	ND	ND	
Tank H/ Hathaway Society Tension Tank H/ Hathaway Society Tension Te		TF-northeast of Tank F/ Hthaway					.190 toluene .030 ethylbenzene .096 m&p-xylene .045 o-xylene .470 iso- propylbenzene .820 n- propylbenzene .009 1,3,5- trimethylbenzene .091 tert- butylbenzene .021 1,2,4- trimethylbenzene .570 sec- butylbenzene .059 n- butylbenzene	
TF- northwest		Tank H/	5.5	ND	ND	ND	.009 toluene	
Corner-wall/Mobil S.5 ND ND ND ND ND ND ND N	[14	TF- northwest corner-	6	ND	ND	ND		
Wall/Mobil ND ND ND ND ND ND ND N		comer-	5.5	130	85,00	2,100		
Hathaway				ND	ND	ND	**	
Hathaway		Hathaway			ND	ND		
corner/ Hathaway		Hathaway				ND		
20 TF-south wall/ 4 ND ND ND		corner/	4	ND	ND	ND		
Tiauaway	20		4	ND	ND	ND		

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Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals
T21	TF-south wall/ Hathaway	4	ND	ND	ND		
T22	TF-south wall/ Hathaway	4	ND	ND	ND		
T23	TF-south wall/ Hathaway	4	ND	ND	ND		
T24	TF-east wall/ Hathaway	4	ND	ND	ND		
T25	TF-east wall/ Hathaway	6	ND	ND	ND		
T26	TF-north wall/ Hathaway	4	ND	ND	ND		
T27	TF-north wall/ Hathaway	5	ND	ND	ND		
T28	TF-north wall/ Hathaway	5	ND	ND	ND		
T29	TF-north wall/ Hathaway	4	ND	ND	ND		
T30	TF-north wall/ Hathaway	4	ND	ND	ND		
T31	TF/P3- bottom/Mobil	8	270	5,200	2,500		
T32	TF/P3-west wall/Mobil	7	ND	ND	ND		
T33	TF/P2-bottom/ Hathaway	8	ND	ND	ND		
T34	TF/P2-south / Hathaway wall	7	ND	ND	ND		
T35	TF/P1-bottom/ Hathaway	10	ND	ND	ND		
T36	TF/P3-north wall/Mobil	6	23	680	820		
T37	TF/P3-east wall/ Hathaway	6	ND	ND	ND		
T38	TF/P2-east wall/ Hathaway	6	ND	ND	ND ·		4-1
T39	TF/P2-north wall/ Hathaway	6	ND	ND	ND		
T40	TF/P1-bottom/ Hathaway	10	ND	ND _.	ND		
T41	TF/P1-east wall/ Hathaway	8	ND	ND	ND	·	
T42	TF/P1-north wall/ Hathaway	7	ND	ND	ND		
T43	TF/P1-south wall/ Hathaway	8	ND	ND	ND		 -
T44	TF/P1-west wall/ Hathaway	7	ND	ND	ND		
T45	Oil sump-north wall/ Hathaway	8	ND	ND	ND		
T46	TF/P3- bottom/Mobil	12	ND	ND	ND		•••

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Sample Location/	Depth	C6-C12	C13-C22	>C23	VOCs	Motolo
No. Owner	(ft)	00 012	015 022	- 025	1003	ivictals

T1 = soil sample

TF = former tank farm excavation

P1 = post sampling excavation

ND = not detected above the laboratory detection limits

--- = not analyzed

Concentrations are in milligrams per kilograms (mg/kg) = parts per million (ppm)

C6-C12, C13-C22, >C23, etc. are the total petroleum hydrocarbon concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8015m-cc

Semi-VOCs = Semi-volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8270

PCBs = Polychlorinated biphenyls' concentrations based on analysis conducted in general with US EPA Method 8080.

CAM 17 metals concentrations based on analysis conducted in general with US EPA Method No. 6000/7000

TABLE 5. STOCKPILE SOIL

Sample	Location/	C6-C12	C13-C22	>C30	Semi-VOCs	BTEX	PCBs	Metals
No.	Owner	<u> </u>		<u> </u>		<u> </u>	<u> </u>	<u> </u>
SI	JALK 117 W1/Hathaway	ND	350	480	ND		ND	
S2	JALK 112 W3/Hathaway	1,400	35,000	12,000	17 (2- methylnaph- thalene) 8.80 (fluorene) 8.40 (phenan-		ND	
					threne) 2.30 (pyrene) 2 (chrysene)			
S2-1	JALK 112 W3/Hathaway					ND		
S3	JALK 113 W2/Hathaway	ND	ND	ND				
S4-1	JALK 112 W3/Hathaway	ND	110	1,200				
S4-2	JALK 112 W3/Hathaway	ND	180	2,600	ND		ND	
S4-3	JALK 112 W3/Hathaway					ND		320 (barium) 4 (cadmium) 71 (chrom.) 12 (cobalt) 45 (copper) 110 (lead) 4 (molybden.) 30 (nickel) 20 (vanad.) 260 (zinc)
S5	M3/P15/Mobil	46	2,300	2,100	***			
S6-1	M1/P10/Mobil	150	370	270				
S6-2	M1/P10/Mobil	1,900	5,600	2,600				
S7-1	M2/P10/Mobil	74	760	590				
S7-2	M2/P10/Mobil	16	1,300	17,000				
S8	JALK 112 W3/Hathaway	12	480	580				
S 9	JALK 111 W4/Hathaway	ND	1,600	44,000		+		
S9-1	JALK 111 W4/Hathaway					ND		250 (barium) 5 (cadmium) 21 (chrom.) 13 (cobalt) 71 (copper) 210 (lead) 5 (molybden.) 30 (nickel) 23 (vanad.) 340 (zinc)

Commis	Location/	C6-C12	C13-C22	N C20	16	LDTEV	I DOD.	
Sample No.	Owner	C0-C12	C13-C22	>C30	Semi-VOCs	BTEX	PCBs	Metals
	<u> </u>) / T	1 444	1 200		<u> </u>		
S10-1	JALK 111	ND	230	380	ND		ND	
	W4/Hathaway		000			-		
S10-2	JALK 111	67	820	590	0.690 (2-		ND	
	W4/Hathaway				methylnaph-			
					thalene)			
				-	0.610			
					(fluorene)			
					0.90			
					(phenan-			
<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				threne)			
S11	M5/P34/Mobil	5,000	12,000	6,800				
S12	M6/P34/Mobil	1,400	13,000	10,000		ļ	<u></u>	
S13	M4/P52/Mobil	160	840	630				
S14	M7/P55/Mobil	410	4,500	1,100			<u> </u>	
\$15	M8/Boring A2	110	1,400	1,400				
	Mobil							
S16-1	Tank Farm	6,000	9,700	3,400				
	Hathaway	<u> </u>						
S16-2	Tank Farm	ND	280	280				
	Hathaway							
S16-3	Tank Farm	ND	69	110				
	Hathaway							
S16-4	Tank Farm					ND		
	Hathaway							
S17-1	Tank Farm	ND	19	28				***
	Hathaway			·				
S17-2	Tank Farm	ND	ND	ND				
	Hathaway						-	
S18-1	Tank Farm	140	1,500	1,500				
	Hathaway							
S18-2	Tank Farm	120	610	690				
	Hathaway							
S18-3	Tank Farm	9,500	15,000	8,000				
-	Hathaway	'	ĺ	,				
S18-4	Tank Farm					ND		+++
	Hathaway							
S19-1	Tank Farm	5,000	17,000	11,000				
	Mobil	-,	·		•			
S19-2	Tank Farm	97	2,000	1,600				
	Mobil	- '	_,	-,				
Com-	(Samples S4-3,							ND (Lead)
posit	S9-1, T1, T2)		Ì				;	1.2 (2000)
Posit 1	~/ 1, 11, 14/							

Sample	Location/	C6-C12	C13-C22	>C30	Semi-VOCs	BTEX	PCBs	Metals
No.	Owner							

ND = not detected above the laboratory detection limits

--- = not analyzed

Concentrations are in milligrams per kilograms (mg/kg) = parts per million (ppm)

C6-C12, C13-C22, >C23, etc. are the total petroleum hydrocarbon concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8015m-cc

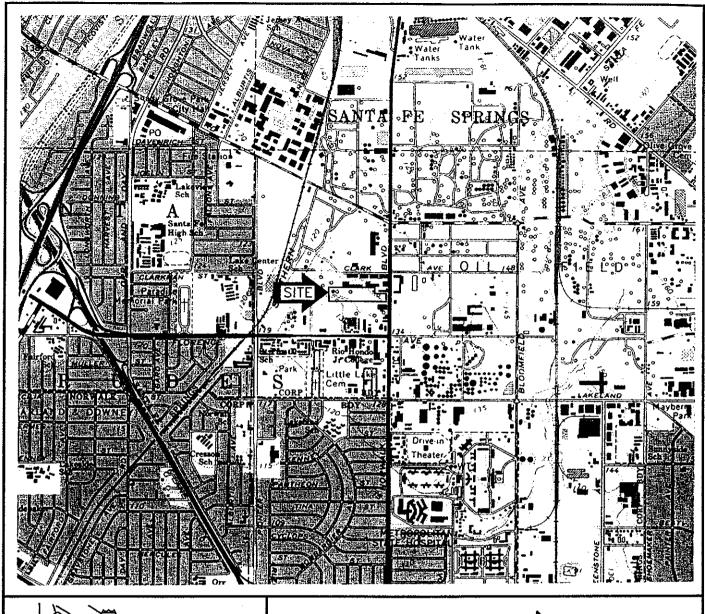
Semi-VOCs = Semi-volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8270

BTEX = benzene, toluene, ethylbenzene, xylene concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8020

PCBs = Polychlorinated biphenyls' concentrations based on analysis conducted in general with US EPA Method No. 8080.

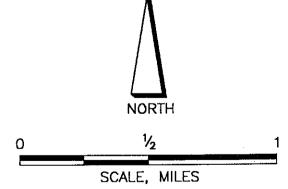
CAM 17 metals concentrations based on analysis conducted in general with US EPA Method No. 6000/7000 S = soil stockpile, M1 = excavation, P10 = piping trench

FIGURES





NOTE
BASE MAP IS TAKEN FROM USGS WHITTIER
QUADRANGLE, CALIFORNIA, LOS ANGELES CO.,
7.5-MINUTE SERIES (TOPOGRAPHIC), 1965,
PHOTOREVISED 1981

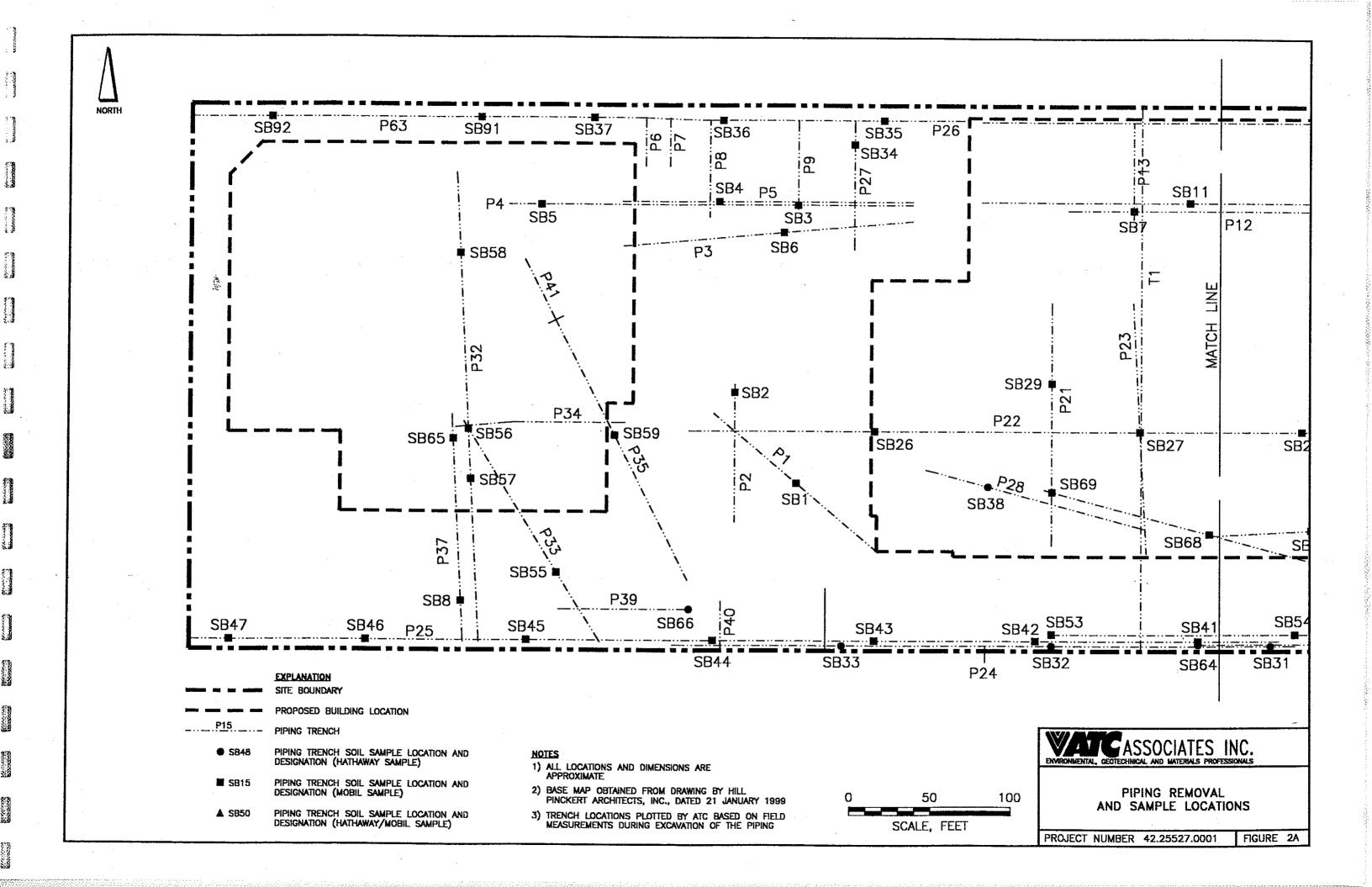


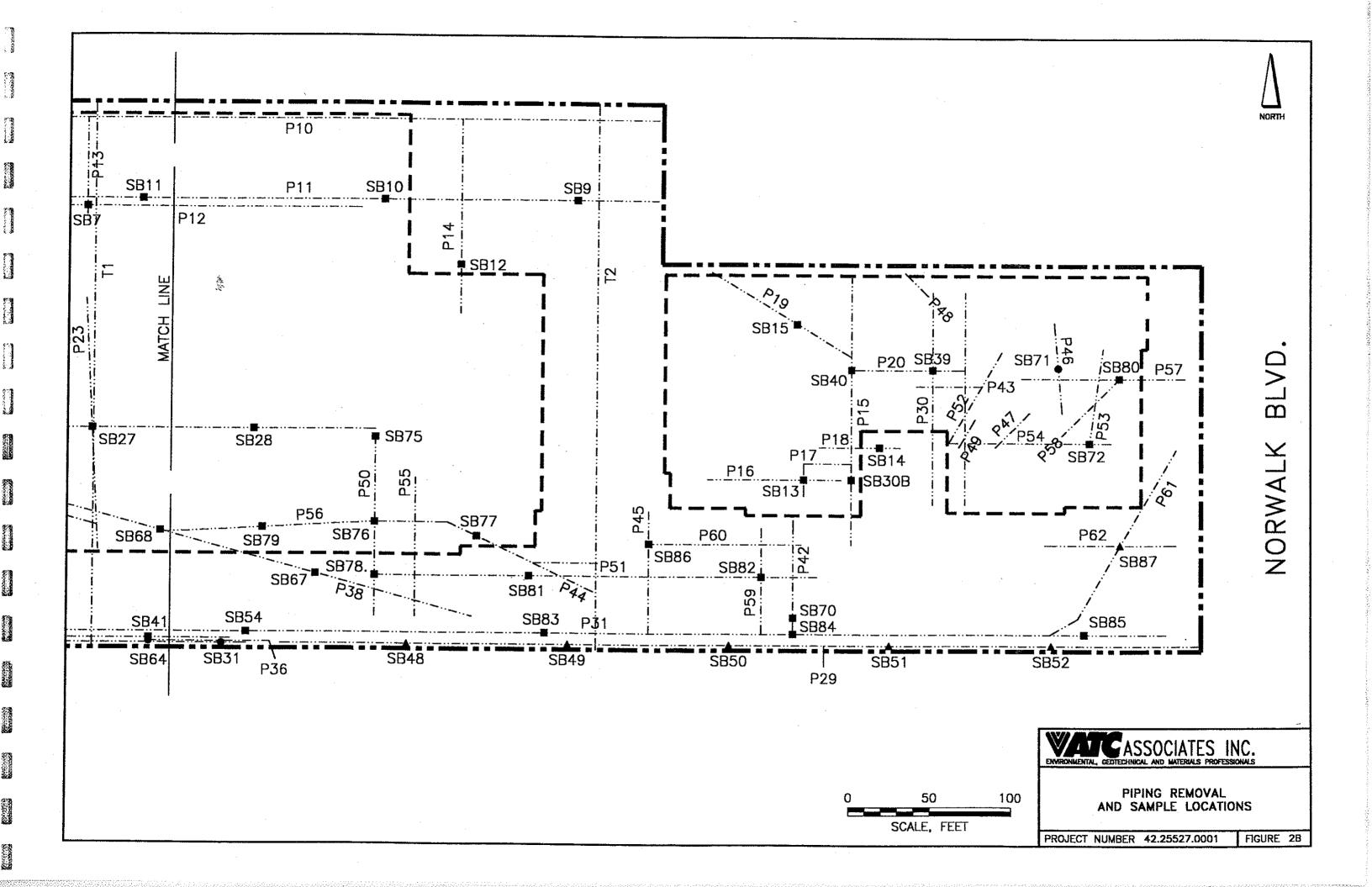


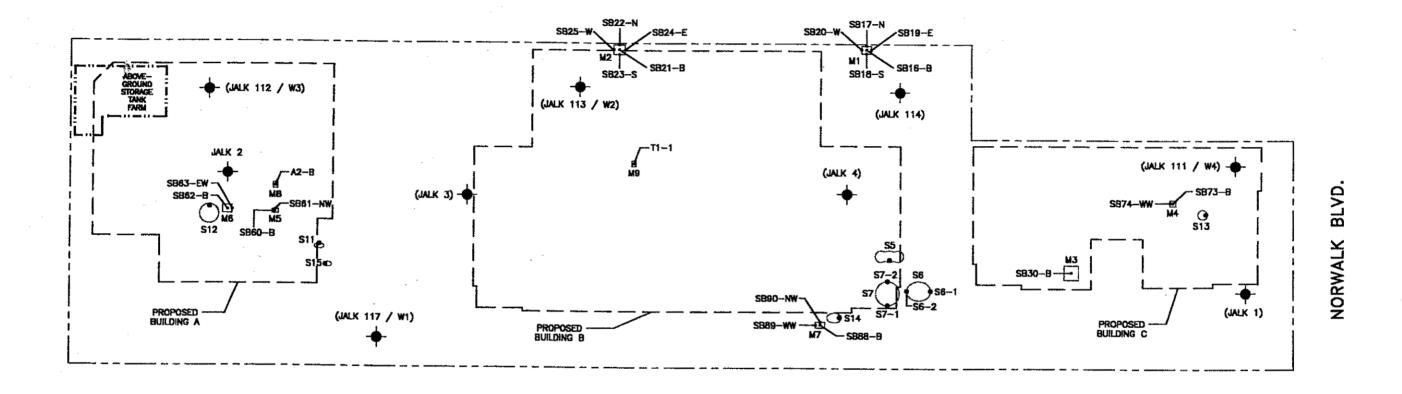
SITE LOCATION MAP

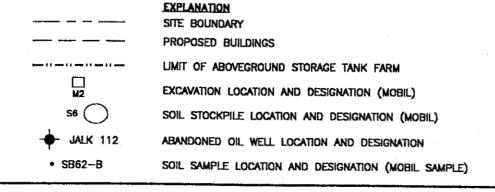
PROJECT NUMBER 42.25527.0001

FIGURE



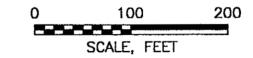






NOTES

- 1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- 2) BUILDING LOCATION AND SITE BOUNDARY OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 21 JANUARY 2000
- 3) OIL WELL LOCATIONS OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 12 SEPTEMBER 1999
- 4) WHERE A SINGLE STOCKPILE DESIGNATION IS SHOWN, BOTH THE STOCKPILE NUMBER AND THE SAMPLE NUMBER ARE THE SAME (E.G. S12 IS THE NUMBER FOR STOCKPILE S12 AND THE NUMBER FOR SOIL SAMPLE S12.
- 5) "MOBIL" MEANS THAT THE EXCAVATION BECAME THE RESPONSIBILITY OF MOBIL OIL COMPANY AFTER INITIAL SAMPLING BY ATC

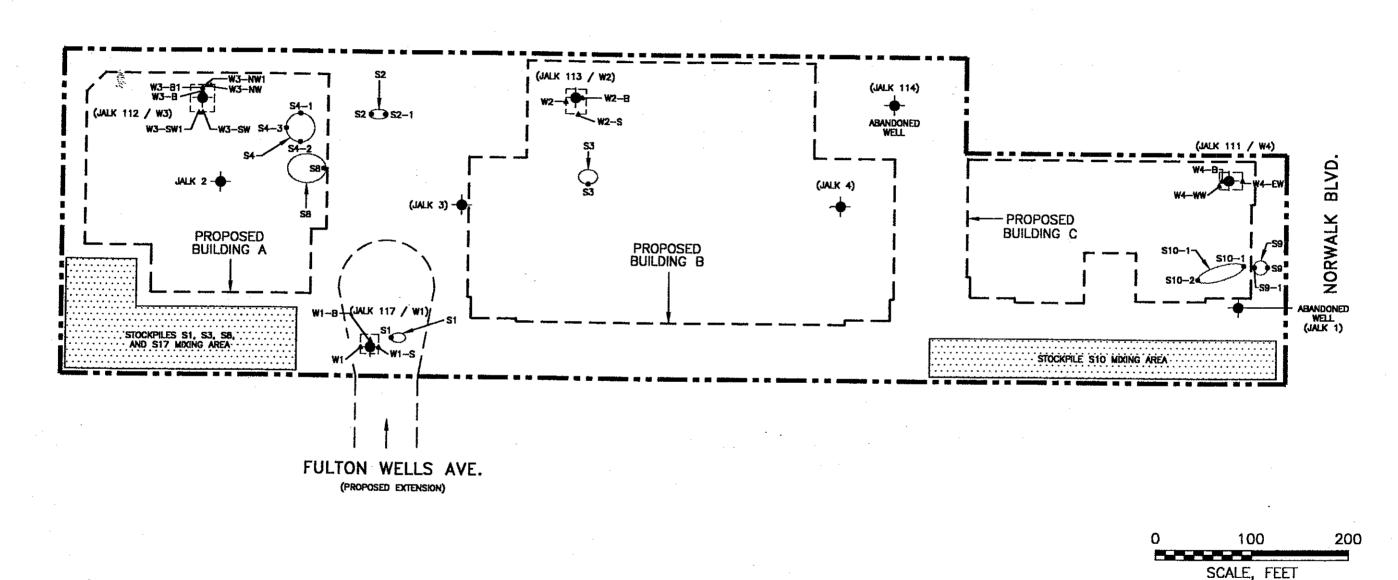




PIPING EXCAVATIONS, STOCKPILES AND SOIL SAMPLE LOCATIONS

PROJECT NUMBER 42.25527.0001

FIGURE 3



SOIL STOCKPILE LOCATION AND DESIGNATION

SOIL STOCKPILE SOIL SAMPLE LOCATION AND DESIGNATION

STOCKPILE MIXING AREA

EXPLANATION
SITE BOUNDARY

PROPOSED BUILDINGS

JALK 112 / W3 ABANDONED OIL WELL LOCATION NUMBER/ ATC EXCAVATION DESIGNATION

ABANDONED OIL WELL EXCAVATION

ABANDONED OIL WELL EXCAVATION SOIL SAMPLE LOCATION AND DESIGNATION

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- BUILDING LOCATION AND SITE BOUNDARY
 OBTAINED FROM DRAWING BY HILL PINCKERT
 ARCHITECTS, INC., DATED 21 JANUARY 2000
- 3) OIL WELL LOCATIONS OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS INC., DATED 12 SEPTEMBER 1999

ENVIRONMENTAL GEOTECHNICAL AND MATERIALS PROFESSIONALS

OIL WELL EXCAVATIONS AND SOIL SAMPLE LOCATIONS

PROJECT NUMBER 42.25527.0001

FIGURE 4



EXPLANATION SAMPLE LOCATION AND DESIGNATION (HATHAWAY) T14 SAMPLE EXCAVATION AND DESIGNATION (MOBIL) P1 - EXCAVATION DESIGNATION AND DEPTH (IN PARENTHESES) IN FEET BGS

S16 - STOCKPILE

EXCAVATION BOUNDARIES

FORMER TANK FARM CONTAINMENT



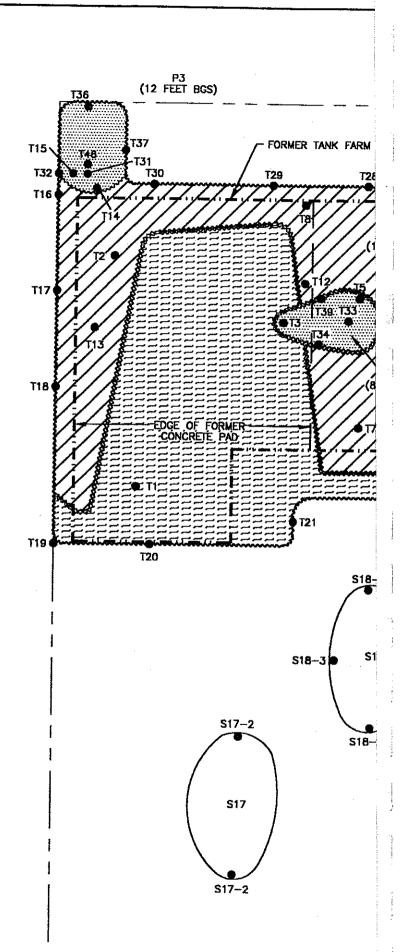
3 TO 4 FOOT EXCAVATION DEPTH

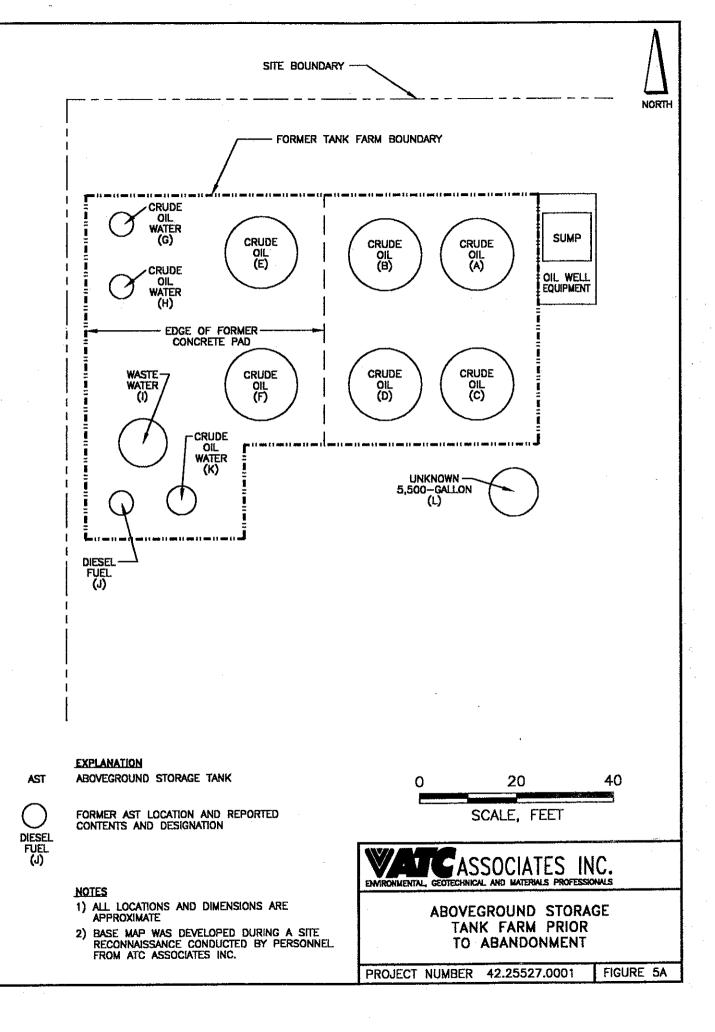
5 TO 6 FOOT EXCAVATION DEPTH

8 TO 12 FOOT EXCAVATION DEPTH

NOTES

- 1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- 2) BASE MAP WAS DEVELOPED DURING A SITE RECONNAISSANCE CONDUCTED BY PERSONNEL FROM ATC ASSOCIATES INC.





APPENDIX A REGULATORY STANDARDS



Headquarters Fire Station

11300 Greenstone Ave. • CA • 90670-4619 • (562) 944-9713 • Fax (562) 941-1817 • www.santafesprings.org

RECEIVED

October 19, 2000

OCT 2 7 2000

Jon Lovegreen ATC Environmental 17321 Irvine Blvd., Suite 200 Tustin, CA 92780-3010

Dear Mr. Lovegreen:

SUBJECT: WORKPLAN FOR SOIL SAMPLING AT THE HATHAWAY LEASE LOCATED AT 10607 NORWALK BOULEVARD IN SANTA FE SPRINGS, CALIFORNIA

The Santa Fe Springs Fire Department (SFSFD) has reviewed the above subject report submitted by ATC Associates Inc. on behalf of Hathaway Company. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the site is greatly appreciated.

The SFSFD approves the submitted workplan contingent upon the following conditions:

- 1. Soil samples collected in the aboveground tank farm shall be done in accordance with the attached diagram.
- 2. For future excavations, confirmation samples shall be collected at the bottom of the excavation and on two side walls for excavations less than 20 feet long on any side. For excavations exceeding twenty feet on any side, bottom and side wall confirmation samples shall be collected every 20 feet.
- 3. The clean up standards for the proposed work are as follows:

From ground surface to 6 feet:

Petroleum hydrocarbons $(C_4 - C_{12})$ Petroleum hydrocarbons $(C_{12} - C_{22})$

Petroleum hydrocarbons (greater than C₂₂)

Volatile Organic Compounds

Arsenic

100 mg/kg 1,000 mg/kg

1,000 mg/kg

Industrial Preliminary Remediation Goals 12 mg/kg with supporting background information Lead

Stockpiled soil with a total lead result greater than 130 mg/kg, will be transported offsite for legal treatment or disposal. If total lead exceeds 50 mg/kg, soluble analysis will be performed. If soluble analysis exceeds the STLC for lead of 5 mg/kg, the stockpiled will be transported offsite for treatment or disposal. If the soluble lead result is below 5 mg/l with the total result between 50 and 130 mg/kg, the soil will be left onsite and used as fill below future proposed parking lot areas or driveways.

Below 6 feet

Petroleum hydrocarbons (C₄ – C₁₂) Petroleum hydrocarbons (C₁₂ – C₂₂) Petroleum hydrocarbons (greater than C₂₂) Volatile Organic Compounds Arsenic and lead 500 mg/kg 1,000 mg/kg 10,000 mg/kg To be determined Same as ground surface to six feet requirements

It is noted that metals other than arsenic and lead were "ruled out" in earlier site assessments.

- 4. Blending of crude oil contaminated soil with "clean" soil may be acceptable, provided it complies with any Department of Toxic Substance Control, Regional Water Quality Control Board, Department of Oil and Gas, and Air Quality Management District Requirements. Blended soil may be used elsewhere on site such as under paved parking lots and private driveways provided a scaled plot plan is submitted, precisely identifying the location and maximum concentration of the blended soil. Blended crude oil contaminated soil may not be used in the street.
- 5. EPA preparatory Method 5035 must be used for future soil sampling analysis for volatile organic compounds as required by the Los Angeles Regional Water Quality Control Board.

The City of Santa Fe Springs reserves the authority to re-evaluate this case and the clean up standards should future findings warrant such action.

Also, please be advised, a fee of \$2,310.00 is due by November 22, 2000. This fee is based on 10 additional hours of time spent reviewing reports and attending meetings regarding this project. Our billing rate is \$105.00 per hour. Also, three additional submittals pertaining to the site also require our review. A minimum fee of \$420.00 is charged per report. Checks may be made payable to the City of Santa Fe Springs. Should you wish to expedite these plans additional fees will be required.

Please request soil sampling inspections a minimum of 24 hours in advance. Should you have any questions regarding this matter, please contact Environmental Protection Inspector Brenda Nelson at (562) 941-7483 extension 155. We will be happy to assist you in any way possible.

Sincerely,

Neal Welland

Fire Chief

NW/bn

Enclosure

cc:

Walt Summers Reliable Equipment Rentals, Inc. 8331 Commonwealth Avenue Buena Park, CA 90621

Pat Park Hathaway Company 10607 Norwalk Blvd. Santa Fe Springs, CA 90670

Jeff Hensel TRC 21 Technology Drive Irvine, CA 92618 F.E. Buddy Hand Jr. Exxon/Mobil Environmental Remediation 1200 Timberloch Place The Woodlands, Texas 77380

Bob Orpin City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670

Andy Lazzaretto City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670

APPENDIX B FIELD PROCEDURES

APPENDIX B

FIELD PROCEDURES

- 1. An ATC Associates Inc. representative was present to observe piping removal and removal of the former tank farm.
- 2. A Photoionization Air Monitor (Model 2020) brand organic vapor meter (OVM) calibrated to isobutylene was used to monitor soil samples from the piping removal excavations and the excavation following removal of the former tank farm.
- 3. The OVM monitoring involved placement of the field soil sample in a ziploc-type baggy, the soil was disaggregated for a few seconds, and then the reading was taken by inserting the OVM probe into the top of the ziploc-type baggy. Readings were recorded in the daily field report for the date the field sample was monitored.
- 4. In addition to use of the OVM, the excavations were examined for evidence of staining.
- 5. Observations regarding stained soil in the excavations were recorded in the daily field report for the date the observation was made and/or annotated on field drawings.
- 6. Soil samples (for laboratory analysis) were collected from the piping removal and tank farm excavations by driving a pre-washed brass or stainless steel sample tube into the soil with a slide hammer or hammer. The sample tubes ends were capped with teflon foil followed by polyvinyl chloride (PVC) endcaps.
- 7. Soil samples from the four abandoned oil well excavations were collected by driving the sample tubes in soil excavated from the bottom or walls of the excavation by the backhoe. The sample tubes were then capped, labeled and stored as described above in item 4.
- 8. Soil sample locations were recorded on field drawings and/or in the daily field report for the date the soil sample was collected.
- 9. The sampled tubes were annotated with the sample number, date of collection and the sampler's initials.
- 10. The samples were then placed in ziploc-type bags and stored in a portable ice chest cooled to approximately 40 degrees Fahrenheit with ice or dry ice.
- 11. The soil samples were delivered to a State-certified environmental laboratory within approximately 48 hours of collection using chain of custody procedures including use of a chain-of-custody form.

APPENDIX C LABORATORY REPORT AND CHAIN OF CUSTODY – PIPING TRENCHES

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathway Company

Sample ID: SB1

Date Sampled: 8/15/00

Date Received: 8/15/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1946-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB2

Date Sampled: 8/15/00

Date Received: 8/15/00 Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1946-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB3

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/17/00 Date Analyzed: 8/17/00 Laboratory ID: T1946-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**31	10
C23>	ND ND	10

^{**}Hydrocarbon does not display diesel pattern

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB4

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1946-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB5

Date Sampled: 8/15/00 Date Received: 8/15/00

Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1946-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**140	10
C23>	240	10

^{**}Hydrocarbon does not display diesel pattern

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathway Company

Sample ID: SB6

Date Sampled: 8/15/00 Date Received: 8/15/00

Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1946-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB7

Date Sampled: 8/15/00

Date Received: 8/15/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1946-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB8

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/17/00 Date Analyzed: 8/17/00 Laboratory ID: T1946-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**66	10
C23>	41	10

^{**}Hydrocarbon does not display diesel pattern

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB9

Date Sampled: 8/15/00 Date Received: 8/15/00

Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1946-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB10
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-10

Matri:	x: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: SB11
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-11

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	· · ND	10
C13-C22	**270	10
C23>	390	10

^{**}Hydrocarbon does not display diesel pattern

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB12 Date Sampled: 8/16/00

Date Received: 8/16/00 Date Extracted: 8/17/00

Date Analyzed: 8/17/00 Laboratory ID: T1947-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	· · ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB13

Date Sampled: 8/17/00

Date Received: 8/17/00

Date Extracted: 8/18/00

Date Analyzed: 8/18/00

Laboratory ID: T1952-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND · ·	10
C13-C23	ND	10
C23>	ND ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB14

Date Sampled: 8/17/00

Date Received: 8/17/00

Date Extracted: 8/18/00

Date Analyzed: 8/18/00

Laboratory ID: T1952-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	. 10
C13-C23	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB15

Date Sampled: 8/17/00°

Date Received: 8/17/00

Date Extracted: 8/18/00 Date Analyzed: 8/18/00

Laboratory ID: T1952-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10 .
C13-C23	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB16-B
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	2900	10
C13-C22	6800	10
C23>	3100	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	1800	10
C10-C22	8300	10
C22-C30	2100	10
>C30	1100	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB17-N
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5000	10
C13-C22	11000	10
C23>	4700	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	2800	10
C10-C22	13000	10
C22-C30	3000	10
>C30	2400	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB18-S Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00 Laboratory ID: T1954-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB19-E Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00

Laboratory ID: T1954-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	2800	10
C13-C22	6800	10
C23>	3000	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	1600	10
C10-C22	8000	10
C22-C30	1400	10
>C30	1200	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB20-W Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00 Laboratory ID: T1954-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	33	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	49	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB21-B
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	320	10
C13-C22	1700	10
C23>	750	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	120	10
C10-C22	1800	10
C22-C30	670	10
>C30	420	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB22-N Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00

Laboratory ID: T1954-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	580	10
C13-C22	2600	10
C23>	1100	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	220	10
C10-C22	3000	10
C22-C30	820	10
>C30	450	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB23-S
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	15	10
C23>	11	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	7.5	5
C22-C30	5	5
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB24-E Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00

Date Analyzed: 8/21/00 Laboratory ID: T1954-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	41	10
C23>	200	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	73	10
C22-C30	100	10
>C30	110	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: SB25-W Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00

Laboratory ID: T1954-10

Compound .	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	26	10
C23>	260	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	56	10
C22-C30	120	10
>C30	300	10



Via U.S. Mail



19 January 2001 42,25527,0001

The Hathaway Oil Company

P.O. Box 3404

Santa Fe Springs, CA 90670

Attention:

Mr. Pat Park

SUBJECT:

REPORT ENTITLED SUMMARY REPORT OF SOIL REMEDIATION AT

HATHAWAY/JALK FEE LEASE PROPERTY, 10607 NORWALK

BOULEVARD, SANTA FE SPRINGS, CALIFORNIA 90607

RETRANSMITTAL TO EXXONMOBIL

Dear Pat:

At your request, ATC Associates Inc. (ATC) is retransmitting to ExxonMobil another copy of the above referenced report dated 17 November 2000 and a brief summary document regarding how costs for oversight work at the site were apportioned between Hathaway Oil Company and ExxonMobil. Subsequent to our telephone conversation today, Ms. Maureen Toomey of Mobil Foundation called and requested that we send the document to F.E. Buddy Hand, Jr.'s attention in Houston, TX rather than the Bonaventure Hotel. She also requested that we send a copy of the report to ExxonMobil's consultant. As I anticipated that you would have no problem with the latter request, we are also transmitting a copy of that report to TRC Alton Geoscience.

Sincerely yours

ATC ASSOCIATES INC.

ION'R LOVEGREEN

Certified Engineering Geologist No. EG 1164

Director, Technical Operations

enclosures

1. Referenced Report (transmitted to ExxonMobil and TRC)

2. Summary Cost Apportionment (Enclosed and transmitted to ExxonMobil)

cc: Mr. F.E. Buddy Hand, Jr., w/enc. via FedEx

Mr. Jeff Hensel, TRC, w/enc. via FedEx

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB26
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	· · ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB27 Date Sampled: 8/21/00 Date Received: 8/21/00 Date Extracted: 8/22/00

Date Analyzed: 8/22/00 Laboratory ID: T1957-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND · ·	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND .	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB28 Date Sampled: 8/21/00 Date Received: 8/21/00 Date Extracted: 8/22/00 Date Analyzed: 8/22/00

Laboratory ID: T1957-03 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB29
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10 .
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB30-B Date Sampled: 8/21/00 Date Received: 8/21/00

Date Extracted: 8/22/00 Date Analyzed: 8/22/00 Laboratory ID: T1957-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	53	10
C13-C22	1700	10
C23>	320	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	56	10
C10-C22	1100	10
C22-C30	400	10
>C30	240	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB31 Date Sampled: 8/21/00 Date Received: 8/21/00 Date Extracted: 8/22/00 Date Analyzed: 8/22/00

Laboratory ID: T1957-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	31	10
C23>	230	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	40	10 -
C22-C30	84	10
>C30	100	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB32

Date Sampled: 8/21/00

Date Received: 8/21/00

Date Extracted: 8/22/00

Date Analyzed: 8/22/00

Laboratory ID: T1957-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	110	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND ND	10
C10-C22	12	10
C22-C30	36	10
>C30	28	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB33

Date Sampled: 8/21/00

Date Received: 8/21/00

Date Extracted: 8/22/00

Date Analyzed: 8/22/00 Laboratory ID: T1957-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND .	10
C23>	600	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	180	10
>C30	360	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Co. Sample ID: SB34 Date Sampled: 8/22/00 Date Received: 8/22/00

Date Extracted: 8/23/00 Date Analyzed: 8/23/00 Laboratory ID: T1959-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Co. Sample ID: SB35 Date Sampled: 8/22/00 Date Received: 8/22/00 Date Extracted: 8/23/00 Date Analyzed: 8/23/00

Laboratory ID: T1959-02 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	21	10
C23>	130	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathaway Co. Sample ID: SB36

Date Sampled: 8/22/00 Date Received: 8/22/00 Date Extracted: 8/23/00 Date Analyzed: 8/23/00

Laboratory ID: T1959-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	99	10
C23>	4100	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathaway Co. Sample ID: SB37

Date Sampled: 8/22/00 Date Received: 8/22/00 Date Extracted: 8/23/00

Date Analyzed: 8/23/00 Laboratory ID: T1959-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	84	10
C23>	1100	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB38

Date Sampled: 8/23/00 Date Received: 8/25/00 Date Extracted: 8/28/00

Date Analyzed: 8/28/00 Laboratory ID: T1969-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB39

Date Sampled: 8/24/00

Date Received: 8/25/00

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	16	10
C13-C22	2500	10
C23>	3400	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB40

Date Sampled: 8/24/00

Date Received: 8/25/00

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	. ND	10
C13-C22	180	10
C23>	1200	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB41

Date Sampled: 8/24/00

Date Received: 8/25/00

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB42

Date Sampled: 8/24/00

Date Received: 8/25/00

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	. 10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB43

Date Sampled: 8/24/00

Date Received: 8/25/00

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	45	10
C23>	510	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB44
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB45
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00

Date Analyzed: 8/30/00 Laboratory ID: T1974-10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB46
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-11

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	35	10	
C23>	500	10	

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB47

Date Sampled: 8/28/00 Date Received: 8/28/00 Date Extracted: 8/30/00 Date Analyzed: 8/30/00

Laboratory ID: T1974-12

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB48

Date Sampled: 8/28/00 Date Received: 8/28/00 Date Extracted: 8/30/00 Date Analyzed: 8/30/00 Laboratory ID: T1974-13

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	. 10	

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB48
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-13

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.47	109
Toluene-d8	40.79	102
4-Bromofluorobenzene	38,85	97

Company	Conc.	RL.
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	МĎ	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	NĐ	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	19	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Commenced	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chiorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB49

Date Sampled: 8/28/00 Date Received: 8/28/00

Date Extracted: 8/30/00 Date Analyzed: 8/30/00

Laboratory ID: T1974-14

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	19	10	
C13-C22	150	10	
C23>	710	10	

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB49
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00

Laboratory ID: T1974-14

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	42.17	105
Toluene-d8	41.75	104
4-Bromofluorobenzene	35,67	89

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	· ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	DN	10
Trichlorofluoromethane	NĐ	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichlorcethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	100,000	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

C	Conc.	RL.
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	·· ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB50 Date Sampled: 8/29/00 Date Received: 8/30/00 Date Extracted: 8/30/00

Date Analyzed: 8/31/00 Laboratory ID: T1979-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB50
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-01

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	45.75	114
Toluene-d8	41.02	103
4-Bromofluorobenzene	37.19	93

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichlaroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	840	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Company	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachioroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	· · ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	.10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB51
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Analyzed: 8/31/00

Laboratory ID: T1979-02

Surrogate Compounds		Conc.(µg/Kg)	%Rec.
Dibromofluoromethane		44.00	110
Toluene-d8		41.23	103
4-Bromofluorobenzene		37.90	95

Company	Conc.	RL	
Compound	(µg/Kg)	(µg/Kg)	
Dichlorodifluoromethane	ND ND	10	
Chloromethane	ND	10	
Vinyt Chloride	. ND	10	
Bromomethane	ND	10	
Chloroethane	ND	10	
Trichlorofluoromethane	ND	10	
1,1-Dichloroethene	ND	10	
Methylene chloride	ND	10	
trans-1,2-Dichloroethene	ND	10	
1,1-Dichloroethane	ND	10	
2,2-Dichloropropane	ND	5	
cis-1,2-Dichloroethene	ND	5	
Bromochloromethane	ND	5	
Chloroform	ND	5	
1,1,1-Trichloroethane	ND	5	
Carbon Tetrachloride	ND	5	
1-1-Dichloropropene	ND	5	
Benzene	ND	5	
1,2-Dichloroethane	ND	5	
Trichloroethene	ND	5	
1,2-Dichloropropane	ND	5	
Dibromomethane	ND	5	
Bromodichloromethane	ND	5	
cls-1,3-Dichloropropene	ND	5	
Toluene	ND	5	
trans-1,3-Dichloropropene	ND	5	
1,1,2-Trichloroethane	ND	5	
Tetrachloroethene	65	5	
1,3-Dichloropropane	ND	5	
Dibromochloromethane	ND	5	

Compound	Conc.	RL
	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	. ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butyibenzene	_ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample 1D: SB52 Date Sampled: 8/29/00 Date Received: 8/30/00

Date Extracted: 8/30/00 Date Analyzed: 8/31/00 Laboratory ID: T1979-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB52
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-03

Surrogate Compounds	Conc (µg/Kg)	%Rec.
Dibromofluoromethane	46.35	116
Toluene-d8	42.10	105
4-Bromofluorobenzene	36.83	92

_	Conc.	RL
Compound	(µg/Kg)	(μg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	DN	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichlorgethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

_	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	NĎ	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	- 5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	, ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
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Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB53 Date Sampled: 8/29/00

Date Sampled: 8/29/00 Date Received: 8/30/00 Date Extracted: 8/30/00 Date Analyzed: 8/31/00

Laboratory ID: T1979-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	32	10
C23>	690	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB54
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Extracted: 8/30/00

Date Analyzed: 8/31/00 Laboratory ID: T1979-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	16	10
C23>	190	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB55
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB56
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	17	10
C23>	300	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB57

Date Sampled: 8/30/00 Date Received: 8/30/00 Date Extracted: 8/31/00 Date Analyzed: 9/1/00 Laboratory ID: T1987-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	22	10
C23>	160	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB58
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	37	10
C23>	480	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB59 Date Sampled: 8/30/00 Date Received: 8/30/00

Date Extracted: 8/31/00 Date Analyzed: 9/1/00 Laboratory ID: T1987-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	30	10	
C23>	340	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB60-B
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB61-NW

Date Sampled: 8/30/00

Date Received: 8/30/00

Date Extracted: 8/31/00

Date Analyzed: 9/1/00

Laboratory ID: T1987-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB62-B
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	110	10	
C13-C22	890	10	
C23>	390	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB63-EW Date Sampled: 8/30/00 Date Received: 8/30/00 Date Extracted: 8/31/00 Date Analyzed: 9/1/00

Laboratory ID: T1987-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	110	10
C23>	360	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB64
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00

Date Analyzed: 9/5/00 Laboratory ID: T1995-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB65

Date Sampled: 8/31/00 Date Received: 8/31/00 Date Extracted: 9/5/00 Date Analyzed: 9/5/00

Laboratory ID: T1995-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	. ND	10	
C13-C22	33	10	
C23>	140	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB66
Date Sampled: 8/31/00
Date Received: 8/31/00

Date Extracted: 9/5/00 Date Analyzed: 9/5/00 Laboratory ID: T1995-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND ND	10	
C13-C22	32	10	
C23>	200	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB67
Date Sampled: 8/31/00

Date Received: 8/31/00 Date Extracted: 9/5/00 Date Analyzed: 9/5/00 Laboratory ID: T1995-04

Compound	mpound Concentration (mg/Kg) Detection Limit	
C6-C12	ND · ·	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB67
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Analyzed: 9/10/00
Laboratory ID: T1995-04

Surrogate Compounds	Conc.(µa/Ka)	%Rec
Dibromofluoromethane	40.52	101
Toluene-d8	40.15	100
4-Bromofluorobenzene	37.42	94

-	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
t,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	23	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Campanad	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chiorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5.
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
	<u> </u>	<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB68
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: S868

Date Sampled: 8/31/00 Date Received: 8/31/00 Date Analyzed: 9/10/00 Laboratory ID: T1995-05

Surrogate Compounds	Conc.(µg/Ka)	%Rec
Dibromofluoromethane	41.74	104
Toluene-d8	39,91	100
4-Bromofluorobenzene	38.64	97

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	· 5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Tokuene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Company	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-lsopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB69

Date Sampled: 8/31/00 Date Received: 8/31/00 Date Extracted: 9/5/00 Date Analyzed: 9/5/00 Laboratory ID: T1995-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	40	10
C23>	300	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB70

Date Sampled: 8/31/00 Date Received: 8/31/00 Date Extracted: 9/5/00 Date Analyzed: 9/5/00 Laboratory ID: T1995-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Hathaway

Sample ID: SB70

Date Sampled: 8/31/00 Date Received: 8/31/00 Date Analyzed: 9/10/00 Laboratory ID: T1995-07

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	39.72	99
Toluene-d8	40.05	100
4-Bromofluorobenzene	37,30	93

Q	Conc.	RL
Compound	(μg/Kg)	(μg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	9	5
Bromochloromethane	ND	5
Chloroform	_ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
t-t-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	. 5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

C	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	_5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	· ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND_	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
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Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB71

Date Sampled: 8/31/00 Date Received: 8/31/00

Date Extracted: 9/5/00

Date Analyzed: 9/5/00 Laboratory ID: T1995-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: SB71
Date Sampled: 8/31/00
Date Received: 8/31/00

Date Analyzed: 9/10/00 Laboratory ID: T1995-08

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.38	108
Toluene-d8	40.27	101
4-Bromofluorobenzene	42.38	106

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	DN	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	. ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

0	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	- 5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	· ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 01SB72

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00 Laboratory ID: T2006-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 02SB73-B

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	36	10
C13-C22	490	10
C23>	510	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 03SB74-WW

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	39	10
C13-C22	430	10
C23>	570	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 04SB75

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	63	10
C23~	470	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name hathaway Company Sample ID: 05SB76 Date Sampled: 9/1/00 Date Received: 9/1/00 Date Extracted: 9/8/00

Date Analyzed: 9//8/00 Laboratory ID: T2006-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name hathaway Company Sample ID: 05SB76 Date Sampled: 9/1/00 Date Received: 9/1/00 Date Analyzed: 9/11/00

Laboratory ID: T2006-05 Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.77	94
Toluene-d8	39.33	98 -
4-Bromofluorobenzene	39.73	99

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	NĐ	5
Benzene	ND ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	: ND	5
p-Isopropyltoluene	ND	5_
1,4-Dichlorobenzene	DN	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5_
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 06SB77

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	490	10
C23>	1700	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 06SB77 Date Sampled: 9/1/00

Date Received: 9/1/00 Date Analyzed: 9/11/00 Laboratory ID: T2006-06

Surrogate Compounds	Conc (µg/Kg)	%Rec.
Dibromofluoromethane	41.71	104
Toluene-d8	38.92	97
4-Bromofluorobenzene	38.17	95

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND -	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	. 5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	7,200	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
	<u> </u>	<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 07SB78

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 07SB78 Date Sampled: 9/1/00

Date Received: 9/1/00 Date Analyzed: 9/11/00

Laboratory ID: T2006-07

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.89	102
Toluene-d8	39.53	99
4-Bromofluorobenzene	39.18	98

Q	Conc.	RL.
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Compound -	(µg/Kg)	(μg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chiorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2.4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	. ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 08SB79

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: 08SB79 Date Sampled: 9/1/00

Date Received: 9/1/00 Date Analyzed: 9/11/00

Laboratory ID: T2006-08

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	38.95	97
Toluene-d8	39.51	99
4-Bromofluorobenzene	38.07	95

O	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND_	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
		<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB80
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00

Laboratory ID: T2008-01 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	14	10
C23>	330	10

Analytical Report EPA 6010

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB80
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2008-01

Matrix: Soil Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Arsenic	N D	11

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager. John Lovegreen

Project Name Hataway Company Sample ID: SB81
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00

Date Analyzed: 9/8/00 Laboratory ID: T2008-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB81
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-02

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	40.16	100
Toluene-d8	39.19	98
4-Bromofluorobenzene	36.58	91

<u> </u>	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	NĎ	5
Tetrachloroethene	90	5
1.3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
	(μg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1, 1, 1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND ·	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND.	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB82 Date Sampled: 9/4/00 Date Received: 9/5/00 Date Extracted: 9/8/00

Date Analyzed: 9/8/00 Laboratory ID: T2008-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	18	10
C23>	260	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: S882

Date Sampled: 9/4/00

Date Received: 9/5/00

Date Analyzed: 9/12/00

Laboratory ID: T2008-03

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.55	101
Toluene-d8	38.86	97
4-Bromofluorobenzene	38.00	95

	Conc.	RL
Compound	(µg/Kg)	(μg/Kg)
Dichlorodifluoromethane	ND ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	_ ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	150	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND_	5
Styrene	ND	5
Bremoform	ND	5
Isopropylbenzene	ND_	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND_	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	· ND	5
1,4-Dichlorobenzene	ND_	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB83
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00

Date Analyzed: 9/8/00 Laboratory ID: T2008-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: S883
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-04

Surrogate Compounds	Conc.(µg/Kg)	°₀Rec
Dibromofluoromethane	42.59	106
Toluene-d8	39.01	98
4-Bromofluorobenzene	38.91	97

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND ND	10
Vinyl Chloride	ND	10
Bromomethane	ND ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND_	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
t-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND.	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	330	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachioroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND_	5
p-Isopropyitoluene	, ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
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Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB84

Date Sampled: 9/4/00

Date Received: 9/5/00

Date Extracted: 9/8/00

Date Analyzed: 9/8/00

Laboratory ID: T2008-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	35	10
C23>	530	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB84

Date Sampled: 9/4/00

Date Received: 9/5/00

Date Analyzed: 9/12/00

Laboratory ID: T2008-05

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	39.78	99
Toluene-d8	39,33	98
4-Bromofluorobenzene	36,33	91

_	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane -	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1.1,2-Trichloroethane	ND	5
Tetrachloroethene	70	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

0	Conc.	j RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	- 5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND_	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
		<u>]</u>

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB85
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00

Date Analyzed: 9/8/00 Laboratory ID: T2008-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: SB85
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-06
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	40.88	102
Toluene-d8	39.24	98
4-Bromofluorobenzene	38.37	96

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)_	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND_	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltaluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
		<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB86
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00

Laboratory ID: T2010-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND ND	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: S886
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Analyzed: 9/12/00
Laboratory ID: T2010-01

Surrogate Compounds	Conc (µg/Kg)	%Rec
Dibromofluoromethane	38.49	96
Toluene-d8	39.92	100
4-Bromofluorobenzene	38.70	97

Commound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	8	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	. ND	5
1-1-Dichloropropene	ND	- 5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropeле	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	9,500	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	_5
1,1,1,2-Tetrachioroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB87
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00

Laboratory ID: T2010-02 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	230	10
C23>	590	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB87

Date Sampled: 9/6/00 Date Received: 9/6/00

Date Analyzed: 9/12/00 Laboratory ID: T2010-02

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	49.05	123
Toluene-d8	40.85	102
4-Bromofluorobenzene	39.69	99

_	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1.2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1.1,2-Trichloroethane	ND	5
Tetrachloroethene	43	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachioroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	. 5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND ·	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	. ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND_	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
		<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB88-B Date Sampled: 9/6/00 Date Received: 9/6/00 Date Extracted: 9/8/00 Date Analyzed: 9/8/00

Laboratory ID: T2010-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	710	.10
C13-C22	7700	10
C23>	1200	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB88-B Date Sampled: 9/6/00 Date Received: 9/6/00 Date Analyzed: 9/12/00 Laboratory ID: T2010-03

Surrogate Compounds	 Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.89	97
Toluene-d8	39.49	99
4-Bromofluorobenzene	36.67	92

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chioromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	DN	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	38	10
1,1-Dichloroethane	МD	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	15	5
Bromochloromethane .	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	23	5
1,2-Dichloroethane	ND	5
Trichloroethene	170	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	.ND	5
Taluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	49	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

C	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	55
Ethyl benzene	320	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	200	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	,5
1,2,3-Trichloropropane	ND	5
n-Propyibenzene	350	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	13	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	130	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	24	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	1,400	10
1,2,3-Trichlorobenzene	ND	10
		<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB89-WW Date Sampled: 9/6/00 Date Received: 9/6/00 Date Extracted: 9/8/00 Date Analyzed: 9/8/00

Laboratory ID: T2010-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1100	10
C13-C22	4800	10
C23>	780	10

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB89-WW
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Analyzed: 9/12/00
Laboratory ID: T2010-04

Surrogate Compounds	Conc.(µg/Kg)	°∘Rec
Dibromofluoromethane	38.01	95
Toluene-d8	39.89	100
4-Bromofluorobenzene	48.37	121

2	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chioroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	- ND	5
1-1-Dichloropropene	ND	5
Benzene	7	5
1,2-Dichloroethane	ND	5
Trichloroethene	19	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
	(μg/Kg)	(µg/Kg)
1,2-Dibromoethane	МĐ	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	9	5
tert-Butylbenzene	9	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	7	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	37	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: SB90-NW Date Sampled: 9/6/00 Date Received: 9/6/00 Date Extracted: 9/8/00 Date Analyzed: 9/8/00

Laboratory ID: T2010-05 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5600	10
C13-C22	6400	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB91

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2064-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23+	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: SB92

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2064-02

Compound	. Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23+	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: A2-B

Date Sampled: 9/7/00

Date Received: 9/7/00

Date Extracted: 9/25/00

Date Analyzed: 9/25/00

Laboratory ID: T2013-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	13	10
C13-C22	5400	10
C23>	340	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1946-MB Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	. ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 8/21/00 Date Analyzed: 8/21/00 Laboratory ID: T1954-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	.ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 8/22/00

Date Analyzed: 8/22/00

Laboratory ID: T1957-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND .	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Co.

Sample ID: Method Blank

Date Sampled: NA Date Received: NA

Date Extracted: 8/23/00 Date Analyzed: 23-Aug

Laboratory ID: T1959-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	: ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 8/30/00

Date Analyzed: 8/31/00

Laboratory ID: T1979-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 8/31/00 Date Analyzed: 9/1/00

Laboratory ID: T1987-MB Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 9/8/00

Date Analyzed: 9//8/00 Laboratory ID: T2006-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hataway Company Sample ID: Method Blank Date Sampled: NA

Date Received: NA
Date Extracted: 9/8/00
Date Analyzed: 9/8/00

Laboratory ID: T2008-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager, John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 9/8/00 Date Analyzed: 9/8/00 Laboratory ID: T2010-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2064-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23+	ND	10	

Analytical Report EPA 8260

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Analyzed: 8/31/00 Laboratory ID: T1979-MB

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	43.91	110
Toluene-d8	39.97	100
4-Bromofluorobenzene	38.47	96

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2.2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1.1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	- 5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1.2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

•	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	. 5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
	<u> </u>	<u> </u>

Analytical Report EPA 8260

Client: ATC Associates Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA

Date Analyzed: 10/6/00 Laboratory ID: T2097-MB

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	34.54 .	86
Toluene-d8	39.70	99
4-Bromofluorohenzene	37.49	94

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichtoroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	DN	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

0	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	55
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	, ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
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Quality Control Analysis EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 10/6/00

Batch: T-2097

Matrix: Soil

Sample Spiked: 2083-04

Matrix Spike and Matrix Spike Duplicate Analysis

•								QC QC	Limits
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.1	79	79	84	84	6.1	20	75-125
Benzene	100	7.7	95	87	96	88	1.1	20	75-125
Trichloroethene	100	0.5	96	96	97	97	1.0	20	75-125
Toluene	100	0.7	92	91	92	91	0.0	20	75-125
Chlorobenzene	100	0.1	95	95	99	99	4.1	20	75-125

TTLC Metal Analysis

MS/MSD Report

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Date Extracted: 9/27/00

Date Analyzed: 9/27/00

Batch: T-2071 Matrix: Soil

Sample Spiked: 2052-08

Metal Analysis by I.C.P. EPA 6010

							QC	Limits
Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	RPD	%Rec.
Arsenic	100	96	96	102	102	6.1	30	40-150
Barium	100	90	90	91	91	1.1	30	40-150
Cadmium	100	90	90	91	91	1.1	30	40-150
Chromium	100	90	90	91	91	1.1	30	40-150
Lead	100	89	89	91	91	2.2	30	40-150

TTLC= Total Threshold Limit Concentration.

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ATC ASSOCIATES INC. Chain of Custody Project Name **VATC** ASSOCIATES INC. Laboratory Name HATHAWAY COMPANY SunStar Laboratories
Method of Shipment **Project Number** ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS 17321 Irvine Blvd, 2nd Floor Tustin, CA 92780-3010 **Project Manager** Picking from Field Special QA/QC (714) 734-0303 • Fax (714) 734-0510 Pres. TPH 8015 Modified BTEX EPA 8020 BTEX/TPH EPA 8015/8020 TPH EPA 8260 / 8240 VOCs Date of Collection Boring / Well Depth / Time Water Sample I.D. Acid EPA 418.1 VOCs 8 EPA 8021 BNAs TPH/8015M-CC Cooper chair W#3 11/250 8/146. > C3. Turnaround Time Same Day Priority Rush 1 Business Day WHI Rush NHZ 2 Business Days Relinquished by sampler Nabhau deh Time Received by Standard 5 to 10 Business Days Relinguished by Other Relinquished by Date Time Received by laboratory Business Days

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

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Sample disposal instructions [Disposal @ \$2.00	each	Return	to client		Pick	an				•							_	**************************************	

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client: ATC RSSOCIAL Address: 17321 Invine Phone: 714-734-030 Project Manager: John	Bud,	TUSTN Fax: 114	~,CA -734-4	92780 5/0	<u>,</u>							<u>-7</u>		<u>a</u>		<u> </u>				01		_ 00 ;
Sample ID (C) 5 13 26 5 8 2 7 5 8 2 9 5 8 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	Date Sampled B/21/00		Sample Type SpiC	Container Type Bass	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	801514 (die	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	1111111 8015 M-CC		DA CO	Preservative	Cov TPt	down	7.7		Total # of containers
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Chain of Custody Record

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48 hrs Analysis		Y/N/I	Seals intact? Y/N/MA	Se			TO I	1	ate /			: (signature)	Received by: (signature)	ne	Date / Time	Relinquished by: (signature)	Reli
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Comments	Preservative	Laboratory ID #	8015 M-cc	EPA 6010/7000 Title 22 Metals	EPA 6010/7000 RCRA (8) Metals	EPA 8015M (diese!)	EPA 8015M (gasoline)	EPA 418.1	EPA 8270	EPA 8260	EPA 8010	Container Type	Sample Type	Time	Date Sampled	Sample ID	
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Client Project #: 42.25527, 000	ient Proi			<u>ا</u> ح	2		ַ מַר מַר	≓eci	က '			3 7 2	Fax: 714-4 734-0510	717 xe		Phone: 714 - 734-0303	Phor
Of (Page:	6. J	Project Name: Hallower	ही ह	46	me C	Na O	ate:_	ă ă		<u>د</u>	Programme CA	2 rd Plu	2	of Me	Address: 1437/ Hrys	Clien Addr
				<u>}</u>	3	3	6	•)								!

Sample disposal Instructions: Disposal @ \$2.00 each

Return to client ____

Pickup _ _ _

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Client: ATC ASSOCIATION

Address: 17321 Trum

Blund , 2ml-Plany lusting CA

Project Name: Hathersony Connectors N. Odeh Client Projec

Client Project # 42.25527.000

Date: 8-25-00

Batch #:_

1969

Proposal #:

Phone: 74-734-0303

Project Manager:_

down

wood and

Chain of Custody Record

Self-accelered by: (signature) Date / Time Date / Time Received by: (signature) Date / Time Date / Time Received by: (signature) Date / Time Total if of Containors 43 +0.00 44 +0.00 45 +0.00					٠.				1	1	Pickup	Pic		o client	Return to client	ach	Nisposal @ \$2.00 each	Disposa	Sample disposal Instructions:
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			Laboratory ID #	8015 M -ce	EPA 6010/7000 Title 22 Metals				EPA 418.1	EPA 8270	EPA 8260		EPA 8010	Container Type	Sample Type	Time		Date	Sample ID

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client Project # 42.25527. 052 Notes Comments C27 - C30 Cle - 6-22 Chacro CATOCS Proposal #; Combany Total # of containers | 14 Preservative 00 09 Laboratory ID # Project Name: Hathause EC 82 3838 Ż 8015M-cc 444 . Oarl alstaM SS attit 0007\0108 Aq Date: 8/28/00 EPA 6010/7000 RCRA (8) Metals (lese b) MB108 A9E Collector: (ənilossg) Mč†08 AqΞ Batch #: EPA 418.1 Date / Time X ₹ EPA 8270 <u>5,001</u> **\$** 0988 A93 ×× XX 0208 A93 0108 A<mark>9</mark>3 Container Brass 1 . Fax.714-734-0510 Sample Seit. Address: 17321 Irvin Glid, 2nt flux, Tustin オタニニ 130 P 3:2 3100 9:30 2:00 12:00 31.00 Time ž 00:0) S. 31:6 12:13 Date / Time Project Manager, John Love green Date Sampled Client ATC ASSOCIETS Lue 8/28/00 . ð ۰ **`** 13 ٠, ? Phone: 114-734-0303 Relinquished by: (signature) Sample 1D MIN YIN MU- FW メス・スズ ダイ・スタ Ø 58 44 38 5-012 5846 5847 5848 N4 - 1 38 4 d S10.1 x43 -SBYS

cital # of containers

Return to client

Sample disposal Instructions Pisposal @ \$7.00 each

Pickup

Date / Time

Received by: (signature)

Date / Time

Relinquished by: (signature)

Turn around time: 48 hrs

Sudain of Custody seals Y/N/MA

8 25 / 50 Date / Time

cerved by: (signature)

Date / Time

Relinquished by: (signature)

Halphun Odels

8/28/00

Received good condition<u>(cold</u>

Project Manager:

Phone: 714-734-0303

Fax: 714-734-0516

Project Name: Hathaway

Jungamy?

Page:_

Collector: Al Odela

Batch #:

7-1979

Proposal #:

Client Project #: 42-255 27-600

Date: 8/29 00

Address: 17321 Irvine Bld. 2ndflow

Client MC Associates

Chain of Custody Record

Sample disposal Instructions:		Relinquished by: (signature)		Relinquished by: (signature)	Mabinar Odel	Relinquished by: (signature)		,								6585	5853	SB 52	5851	SESO	Sample ID
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						Cή															Preservative
				<u> </u>	<u> </u>	Notes								7 035			C16 - C22	C6-C10	8015 M-CC	Carpen Chair	Comments
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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client: ATC ASSOCIAL	s Inc.							Dat	e:	6/3	0/0	,						Pag	e:	C	of 1		
Address: 7321 Iruim	BU ZNAF	luor. Tu	stin CA					Pro	iect	Nan	ne:	بلا	A.	.a.v	ارس	C		ر معم	4				
Phone: 714-134-0303		Fax: 714	-134 - 04	S In	•			Cal	, lecto)r: 🔺	١	νď	٠,			7		Clier	nt Project #	. 41.7	(()	1.000	
Project Manager: John	Jail sa	0 4			-			Rat	ch #	/>	19	ノフ	•					Dron	osal #:	ب <u>يدي</u> ر	<u>, </u>	, 9991	
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Sample disposal Instructions Fi	visposal @ \$2.00 e	each	Return	to client		Pic	kup				Tur	n ar	ound	tim !	e	ŁŎ —	-ph	>'			·		

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Chain of Custody Record Shaff 32

Total # of containers Client Project #: 49 35597, COO Notes Comments H 5-5-111C フィンシンイ Proposal #: Page: Preservative 00 170 Total # of containers त 0. Laboratory ID # 243 J111577AC Project Name: 1-16-1-1000 P.V. Collector: A Martin <u>רוים-כמרסיה כהמיה</u> PPA 6010/7000 Title 22 Metals EPA 6010/7000 RCRA (8) Metals (leseib) M&108 A93 (gasoline) M2108 A93 Batch #: Date: 1.814 A93 Date / Time 07S8 A93 $|\mathsf{x}|$ 0928 A93 0S08 A93 0108 A93 Floor Received by: (signature) Container Type 36610 75 Sample Type 3 17331 Irving Bunkvard 19:45 19:45 Je.G 3 8 01:01 Time Date / Time Date Sampled 000 Project Manager: J. Lovegree D ठ्याहर 3 714) 734-0503 Relinquished by: (signature) Sample ID 0Z.85 SBOH SBOH मासुड Address: Client: Phone:

Received good condition/cold

Date / Time

Received by: (signature)

Date / Time

Relinquished by: (signature)

Turn around time:

Pickup

Return to client

Sample disposal Instructions Prisposal @ \$2.00 each

Chain of Custody seals Y/N/NA

131/20

00

Date / Time

Received by: (signature)

ate / Time

Relinquished by: (signafure)

Seals intact? Y/N/NA

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

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Client:	Address:	Phone:	ojec																ling	~	ling		jing.	
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Return to client

Sample disposal Instructions: Disposal @ \$2.00 each

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client: ATC ASSOCIO	des Ine				_			Dat	e: <u>9</u>	1-	<u>4.</u>	-0	<u>さ</u>				_ P	age:		Of	1		
Address: 17321 Trvi	ne Blud.	TUST	in, e	*	-			Pro	ject	Nan	ne:	1-1	at	na	موم	<u></u>	<u>ح</u>	سرم	Project #				
Phone: 114-734-03	503	Fax: <u>71</u>	4- 734	-0510	_			Col	lecto	or:	M:	<u>0</u>	لمل	^			_ CI	ient	Project #	: 42.2	552	3000	(٥د
Project Manager: donn	Lough	سمع			-			Bat	ch#		2	00	8_				_ Pr	opos	sal #: <u></u> _				
Address: 14321 Trus Phone: 114-734-03 Project Manager: down Sample ID SB81 SB82 SB83 SB84 SB85 Relinquished by: (signature) Relinquished by: (signature) Relinquished by: (signature)	Date Sampled R 400 Date / T Oate / T	Time Time	Sample Type Sto in Received	Container Type Brass by: (signature by: (signature	D EPA 8010		Da Managaran Da Ma	te / 1		EPA 8015M (gasoline)	G EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	φ	ついし X X X X X X Y X X X Y X X X Y X X X Y X X X X Y X	# of conseals ntact?	atainer A A A A A A A A A A A A A A A A A A A	5 6 8 8	R Preservative	ر م	Comme Comme Comme Comme	ints		Total # of containers
Testinguistics by, (signatura)	54.671				•						Tui	rn ar	oun	d tim	e:_4	8 h	<u>~</u> 5	<u> </u>					
Sample disposal Instructions	Disposal @ \$2 00	each	Return	to client		Pic	kup						. •										

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Sample disposal Instructions: C		Relinquished by: (signature)		Relinquished by: (signature)	Mullippen Odel-	Reinquished by: (signature)										4 50 F. 1. 1. 1	1: 6: 7:	1	* * *			# 5 By 9 1 1	Sample ID	Project Manager: (*).	Phone: 11 7 7	Address: 17 % The Market	Client: ATC ASSOCIATION
Disposal @ \$2.00 each		Date / Time		Date / Time	1/3/10	Date / Time										\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						\Box	Date Sampled Time	F. 30 30 30 30 30 30 30 30 30 30 30 30 30	Fax:		Teo Inc
Return to client		Received by: (signature)		Received by: (signature)	130	Received by: (signature)	-70	-3													30 · · · · · · · · · · · · · · · · · · ·	7	Sample Container		711-734-0510		
Pickup		Date / Time		Date /Fine	; :v	Date / Time	7	Z	7		X		-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	У.	¥	*	X	×		E	EPA 8010 EPA 8020 EPA 8260 R EPA 8270 EPA 418.1 { EPA 8015M (gasoline)	Batch #:	1	Project Name:	Date:
•	Turn around time:		Received good condition/cold	Séals intact? Y/N/NA	in of Ω	Total # of containers		1,			-					*	*	,	*	£.	×	E	EPA 8015M (diesel) EPA 6010/7000 RCRA (8) Metals EPA 6010/7000 Title 22 Metals 3 2 / 5 / 1 - 5 c			me: 1 takes	
	7.		n/cold	ĠN/N/	•	ainers (X	X ,					,	76					1	F	aboratory ID #	Proposal #:	Client Project #:		Page:
						Notes											•	, , , , , , , , , , , , , , , , , , , ,	***			Comments	otal # of containers				<u>o</u>

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Project Name: Latta way Collector: 水・ウはト Batch #: [スピノン Date: 9-6-00 2nd Flow, lusting, Cot Fax: 7/4-134-0510 Project Manager: A plus | Cove al no s Address: 13324 Invine Blat Phone: 714-734-03 03 Client: ATC ASSOCIABLE

•

Client Project #: 42.25 \ 27.000

Company

Page:

Proposal #:_

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	Total = of containers		-			1	-		-	_	-				-	4					
	Comments	Carbon Chain		Ch - Cho	C10 - C22	6-11-630	7.0	3	***************************************							**************************************	Notes				
-	Preservative														1	•	1	T			<u> </u>
-	Laboratory ID #	19	70	0.5	04	50	20										Total # of containers	Custody seats Y/N/NA	Seals intact? Y/N/NA	Received good condition/cold	Turn around time: #8 444
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\mid	EPA 8015M (gasoline)	⊢						H	\vdash		╁				\dagger	\dagger	7	N			·
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	Sample 1D	SK%C	48 87 48 87	SB 88 - R	SR89-7WW	SR90 - UW	カリン									(On topolo) and podein out	Verifinduistied by (significance)	May naw Doon W	dinquished by: (signature)		Relinquished by: (signature)

Return to client

Sample disposal Instructions Frisposal @ \$7.00 each

Client: ATC | Address: 17321

24.16

Phone: 114-134-6363
Project Manager: 7th Lo.

A SPANON

Fax: 714~ 734-0510

Batch #:

Collector: No.

Ode

Project Name: Hathauxy

Company

Client Project #: \2.25\27.000

Proposal #:

Chain of Custody Record

Relinquished by: (signature)		Relinquished by: (signature)	National Odela	Relinquished by: (signature)						1− 1	8-2A	515	Sample ID
Date / Time		Date / Time	9/7/00	Date / Time						9-7-00 2130 PM	100111 10-1-P	9-7-02 10:50 A	Date Sampted Time
Received by: (signature)		Received by: (signature)	most me	Received by: (signature)						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11	S. L. 8	Sample Container
Date / Time		Date / Time	1/7/00	Date / Time								_	EPA 8010 EPA 8020 EPA 8260 EPA 8270 EPA 418.1 EPA 8015M (gasoline)
	Received good condition/cold	Seats intact? Y/N/NA	Chain of Custody seals Y/N/NA	Total # of containers 3						0 2 0	TO LD - 04	<u>\</u>	EPA 8015M (diesel) EPA 6010/7000 RCRA (8) Metals EPA 6010/7000 Title 22 Metals 86/5 M_ ~ CC Laboratory ID # Preservative
		!		Notes		and This	Holy Sumple A2-8	n 1 - 16	1	1 (4- 617		ξ, 7	Oppments Total # of containers

Sample disposal Instructions: Disposal @ \$2.00 each _____

Return to client ____

Pickup _ _ _

APPENDIX D

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS – FOUR ABANDONED OIL WELLS

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: W1-B

Date Sampled: 8/16/00

Date Received: 8/16/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00 Laboratory ID: T1947-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W1-B
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Analyzed: 8/29/00
Laboratory ID: T1947-01

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.81	95
Toluene-d8	40.38	101
4-Bromofluorobenzene	36.38	91

Compound	Conc.	RL	
	(µg/Kg)	(µg/Kg)	
Dichlorodifluoromethane	ND	10	
Chloromethane	ND	10	
Vinyl Chloride .	ND	10	
Bromomethane	ND	10	
Chloroethane	ND	10	
Trichlorofluoromethane	ND	10	
1,1-Dichloroethene	ND	10	
Methylene chloride	ND	10	
trans-1,2-Dichloroethene	ND	10	
1,1-Dichloroethane	ND	10	
2,2-Dichloropropane	ND	5	
cis-1,2-Dichloroethene	ND	5	
Bromochloromethane	ND	5	
Chloroform	ND	5	
1,1,1-Trichloroethane	ND	5	
Carbon Tetrachloride	ND	5	
t-t-Dichloropropene	ND	5.	
Benzene	ND	5	
1,2-Dichloroethane	ND	5	
Trichloroethene	ND	5	
1,2-Dichloropropane	ND	5	
Dibromomethane	ND	5	
Bromodichloromethane	ND	5	
cis-1,3-Dichloropropene	ND	5	
Toluene	ND	5 .	
rans-1,3-Dichloropropene	ND	5	
1,1,2-Trichloroethane	ND .	5	
Tetrachloroethene	ND	5	
1,3-Dichloropropane	ND	5	
Dibromochloromethane	ND	5	

Compound	Conc.	BL
- Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ИĎ	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND.	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
o-Isopropyltoluene	ND	5
,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
,2-Dibromo-3-chloropropane	ND	5
,2,4-Trichlorobenzene	ND	10
łexachlorobutadiene	ND	10
Vaphthalene	ND	10
,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathway Company

Sample ID: W1

Date Sampled: 8/15/00

Date Received: 8/15/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1946-12

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: W1-S

Date Sampled: 8/16/00

Date Received: 8/16/00

Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1947-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W1-S

Date Sampled: 8/16/00 Date Received: 8/16/00 Date Analyzed: 8/29/00

Laboratory ID: T1947-02

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	40.61	102
Toluene-d8	40.71	102
4-Bromofluorobenzene	37.87	95

Commound	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND ND	10
Trichlorofluoromethane	ND	- 10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	. ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoiuene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	-5
1,2-Dibromo-3-chloropropane	ND	. 5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorabenzene	ND	10
]

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: W2-B

Date Sampled: 8/16/00

Date Received: 8/16/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1947-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	78	10
C23>	180	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	130	10
C22-C30	70	10
>C30	100	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: W2-S

Date Sampled: 8/16/00

Date Received: 8/16/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1947-04 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: W2

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/17/00 Date Analyzed: 8/17/00

Laboratory ID: T1946-13

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W3-B Date Sampled: 8/28/00 Date Received: 8/28/00

Date Extracted: 8/30/00 Date Analyzed: 8/30/00 Laboratory ID: T1974-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W3-B Date Sampled: 8/28/00 Date Received: 8/28/00 Date Analyzed: 8/29/00

Laboratory ID: T1974-06

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	43.53	109
Toluene-d8	40.62	102
4-Bromofluorobenzene	36.80	92

Q	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Compound	(μg/K <u>g</u>)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Bulylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND_	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8270

Client: ATC Associates, Inc.

Project Manager: John Lovegreen Project Name: Hathaway Company

Laboratory ID: T2041-01

Matrix: Soil

Sample ID: W3-B1

Date Sampled: 9/15/00

Date Received: 9/18/00

Date Extracted: 9/20/00

Date Analyzed: 9/20/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	48.51	97.0
Phenol-d6	30.56	61.1
Nitrobenzene-d5	28.18	56.4

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	45.72	91.4
2,4,6-Tribromophenol	44.95	89.9
Terphenyl-d14	64.28	128.6

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethy!) Ether	ND	300
2-Chlorophenol	GN	1,000
1, 3-Dichlorobenzene	ND	300
t, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Велгуі Alcohol	NO	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	NĐ	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
isophorone	ND	300
2-Nitraphenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2. 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	. ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ПЛ	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND .	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	(pg/Ng) 300
	ND ND	1,000
2, 4-Dinitrophenot	ND ND	300
Dibenzofuran		
4-Nitrophenol	GN	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chiorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenytamine	ND.	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	· ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylben2ylphthalate	ND	300
Benzo (a) anthrancene	·· ND	300
3, 3'-Dichlorobenzidine	ND .	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	NO	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND:	300 ~
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	МÐ	300
Benzo (g, h, i) perylene	ND	300

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W3-SW Date Sampled: 8/28/00 Date Received: 8/28/00 Date Extracted: 8/30/00

Date Analyzed: 8/30/00 Laboratory ID: T1974-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W3-SW Date Sampled: 8/28/00 Date Received: 8/28/00 Date Analyzed: 8/29/00 Laboratory ID: T1974-07

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	42.03	105
Toluene-d8	39.73	99
4-Bromofluorobenzene	37.51	94

C	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND_	10
1,1-Dichloroethene	ND _	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND .	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND .	5

0	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	. ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8270

Client: ATC Associates, Inc. Project Manager: John Lovegreen Project Name: Hathaway Company

Laboratory ID: T2041-03

Matrix: Soil

Sample ID: W3-SW1

Date Sampled: 9/15/00

Date Received: 9/18/00

Date Extracted: 9/20/00

Date Analyzed: 9/20/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	45.17	90.3
Phenol-d6	28.36	56.7
Nitrobenzene-d5	36.85	73.7

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	40.22	80.4
2,4,6-Tribromophenol	49.08	98.2
Terphenyl-d14	47.89	95.8

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ИD	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	- ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dirnethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
-lexachlorobutadiene	ND	300
1-Chloro-3-methylphenol	, ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichtorophenot	. ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND .	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaciorophenol	ND	1,000
Phenanthrene	· ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Ругеле	ND	300
Butylbenzylphthalate	, ND	300
Benzo (a) anthrancene	· ND	300
3, 3'-Dichiorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	NO	300 -
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W3-NW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00

Date Analyzed: 8/30/00 Laboratory ID: T1974-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W3-NW Date Sampled: 8/28/00

Date Received: 8/28/00 Date Analyzed: 8/29/00 Laboratory ID: T1974-08

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	42.93	107
Toluene-d8	40.48	101
4-Bromofluorobenzene	37.36	93

Compound	Conc.	RL
Composite	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Commound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	, ND	. 5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8270

Client: ATC Associates, Inc. Project Manager: John Lovegreen Project Name: Hathaway Company

Laboratory ID: T2041-02

Matrix: Soil

Sample ID: W3-NW1

Date Sampled: 9/15/00 Date Received: 9/18/00

Date Extracted: 9/20/00

Date Analyzed: 9/20/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	43,60	87.2
Phenol-d6	28.84	57.7
Nitrobenzene-d5	27,15	54.3

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	41.19	82.4
2,4,6-Tribromophenol	45.32	.90.6
Terphenyl-d14	62.49	125.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
t, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propytamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	МD	300
Hexachtorobutadiene	ND	300
4-Chloro-3-methylphenol	· ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	МD	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	NO	300
Diethylphthałate	ND	300 .
Fluorene	ND	300
4-Chlorophenyl-phenylether	МĎ	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	МĎ	1,000
4-Bromophenyl-phenylether	ИD	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND .	1,000
Phenanthrene	NO	300
Anthracene	ND	300
Carbazole .	ND	300
Di-n-butyl phthalate	ND	300
Fiuoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	, ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	NO	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W4-B

Date Sampled: 8/28/00 Date Received: 8/28/00 Date Extracted: 8/30/00 Date Analyzed: 8/30/00 Laboratory ID: T1974-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND ND	10

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W4-B

Date Sampled: 8/28/00 Date Received: 8/28/00 Date Analyzed: 8/29/00 Laboratory ID: T1974-03

Surrogate Compounds	Conc.(µg/Kg)	%Rec	
Dibromofluoromethane	43.47	109	
Toluene-d8	40.14	100	
4-Bromofluorobenzene	37.23	93	

Compound	Conc.	RL
Compodita	(μg/Kg)	·(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	NĐ	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W4-EW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00

Laboratory ID: T1974-04 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W4-EW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-04

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	41.78	104
Toluene-d8	39.74	99
4-Bromofluorobenzene	38.36	96

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	- 5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	- 5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	. ND	5
p-lsopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: W4-WW

Date Sampled: 8/28/00

Date Received: 8/28/00

Date Extracted: 8/30/00

Date Analyzed: 8/30/00 Laboratory ID: T1974-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	15	10	
C13-C22	ND	10	
C23>	ND	10	

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: W4-WW Date Sampled: 8/28/00

Date Received: 8/28/00 Date Analyzed: 8/29/00 Laboratory ID: T1974-05

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	43.32	108
Toluene-d8	42.23	106
4-Bromofluorobenzene	39.17	98

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Company	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	.5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	, ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichtorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1947-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	ction Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 10/3/00

Date Analyzed: 10/5/00

Laboratory ID: T2097-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	. ND	10	
C13-C22	ND	10	
>C23	ND ND	10	

Quality Control Analysis EPA 8015M

Client: ATC Associates Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 10/5/00

Batch: T-2097 Matrix: Soil

Sample Spiked: 2097-04

Matrix Spike and Matrix Spike Duplicate Analysis.

					<u> </u>		*	QCI	_imits
Compound	Conc, Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	546	109.2	578	115.6	5.7	20	70-130

Quality Control Analysis EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 9/29/00

Batch: T-2079 Matrix: Soil

Sample Spiked: 2060-16

Matrix Spike and Matrix Spike Duplicate Analysis

						•	· · · · · · · · · · · · · · · · · · ·	ac	Limits
Compound	Conc,Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	106	106	100	100	5.8	20	75-125
Benzene	100	0.0	102	102	99	99	3.0	20	75-125
Trichloroethene	100	0.0	112	112	108	108	3.6	20	75-125
Toluene	100	0,0	104	104	101	101	2.9	20	75-125
Chlorobenzene	100	0.0	105	105	102	102	2.9	20	75-125

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA Date Analyzed: 9/29/00

Laboratory ID: T2079-MB

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.47	94
Toluene-d8	41.10	103
4-Bromofluorobenzene	36.82	92

	Conc.	RL.
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND .	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	NĐ	5
Toluene	ND	5
trans-1,3-Dichloropropene	NĐ	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
a-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	, ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Quality Control Analysis EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 8/29/00

Batch: T-1974 Matrix: Soil

Sample Spiked: 1947-01

Matrix Spike and Matrix Spike Duplicate Analysis

								QC	Limits
Compound	Conc.Spike Added(µg/K̞g)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	83	83	85	85	2.4	20	75-125
Benzene	100	0.0	96	96	97	97	1.0	20	75-125
Trichloroethene	100	0.0	103	103	107	107	3.8	20	75-125
Toluene	100	0.0	89	89	89	89	0.0	20	75-125
Chlorobenzene	100	0.0	91	91	94	94	3.2	20	75-125

Analytical Report EPA 8260

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA

Date Analyzed: 8/29/00 Laboratory ID: T1974-MB

Surrogate Compounds	Conc.(µg/Kg)	%Red
Dibromofluoromethane	39.15	98
Toluene-d8	40.11	100
4-Bromofluorobenzene	38.44	96

0	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chioroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	. ND	5
Trichlorcethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotaluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND -	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
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	4	Project Name HATHWAY COMPANY	Project Number	Project Manager		Gas Z Diesel Z BTEX EPA 8020		>	\	<i>\</i>	/	7		7	7		,	\	\ .	7	7	\	Time Re 3つ		Time Receh
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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client Project #: 4/Z · Z 5 5 2 7 · s s d Proposal #: Company Page:_ Project Name: Horbaway (
Collector: 1974
Batch #: 1974 Fax714-734.0510 Address: 17321 Irvins Blud, 2nt flow, Tustin, CA Project Manager John Lovegneen Client: ATC ASSOCIAS Phone: 114-734-0303

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Date Sampled	8/28/00	r,	*	1	*	4	7	4	*	- 77	7.6	4	*	7		Date / Time	8/28/00	Date / Time	Date / Time	Disposal @ \$2.00 each
Sample ID	510-1	510-2	M4- B	١	XX - 77X	M3-B	X3- NX	M3- AM	SB 44	SBWS	SBUL	5847	SB 48	S8 49		Relinquished by: (signature)	Habbur Odh	Relinquished by: (signafure)	Relinquished by: (signature)	Sample disposal Instructions: Di

Chain of Custody Record

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client: ATC ASSOCIATION Address: 1732 Irv. Phone: 714 - 734 - 17 Project Manager: Jow	うえいて	Fax: "TV	4-734	- 0510	, ()	A .		Date Proj Coll Bate	ect ecto	Nan or:🍌	ne:_ <u>1</u>	0g 17a	0 thair 12(1	un	ч (onus	Clier	nt Projec	ot#: <u>47</u>	0t <u>1</u> 2·2552	27.000	; (·
Sample ID W 3 - B I W 3 - W I W 3 - SW I	Date Sampled	Time \\;otA \\\:05 \\\:0	Sample Type Soil	Container Type Bress	EPA 8010	EPA 8020	EPA 8260	XXX EPA 8270 Semi. VOCS	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals			CO C Laboratory ID #	Preservative		Cor	mments		Total # of containers
Relinquished by: (signature) Alabham Ode Relinquished by: (signature)	Date / T 9 ~ 17 - 06 Date / T	ime / 845 ime	Received t	by: (signature)	<u> </u>		7/0	e / T e / T	9	· 20			of Cu S	stody eals i	f of conseals 'ntact?'	Y/N/NA Y/N/NA				Notes		
Relinquished by: (signature)	Date / T			oy: (signature)		Di-	Dat	e / T	ime		1			-	conditi							

APPENDIX E

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS – FORMER TANK FARM

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T1

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

TTLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample I.D.: T1

Date Sampled: 9/25/00 Date Received: 9/26/00 Date Extracted: 9/27/00 Date Analyzed: 9/27/00

Laboratory ID: T2071-01

Matrix: Soil Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	93	1
Beryllium	ND	1
Cadmium	3	1
Chromium	25	1
Cobalt	14	1
Copper	19	1
Lead	12	1
Mercury	ND ND	0.1
Molybdenum	4	1
Nickel	16	1
Selenium	ND ND	5
Silver	ND	2
Thallium	5	. 2
Vanadium	30	11
Zinc	50	1

TTLC= Total Threshold Limit Concentration.

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T1

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Analyzed: 9/29/00 Laboratory ID: T2071-01

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	38.76	97
Toluene-d8	41.01	103
4-Bromofluorobenzene	37.17	93

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1.1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1.3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	, ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	1 0
Naphthalene	ND	10
1,2.3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T2

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

TTLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Sample I.D.: T2

Date Sampled: 9/25/00 Date Received: 9/26/00 Date Extracted: 9/27/00 Date Analyzed: 9/27/00

Laboratory ID: T2071-02

Matrix: Soil

Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	120	<u> </u>
Beryllium	ND	1
Cadmium	3	1
Chromium	21	1
Cobalt	14	. 1
Copper	20	11
Lead	3	1
Mercury	ND	0.1
Molybdenum	4	1
Nickel	17	1
Selenium	ND	5
Silver	ND ND	2
Thallium	5	2
Vanadium	31	1
Zinc	53	1

. TTLC= Total Threshold Limit Concentration.

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T2

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-02 Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	48.76	122
Toluene-d8	38.54	96
4-Bromofluorobenzene	39.84	100

_	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform .	ND	5
1,1,1-Trichloroethane	ND-	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

C	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND_	5
4-Chlorotoluene	ND	. 5
1,3,5-Trimethylbenzene	ND _	5
tert-Butyibenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyitoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
	1	<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T3

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	51	10
C23>	96	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T3

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-03

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	37.95	95
Toluene-d8	41.86	105
4-Bromofluorobenzene	35,76	89

C	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2.2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloreform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10
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Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T4

Date Sampled: 9/22/00 Date Received: 9/22/00 Date Extracted: 10/2/00

Date Analyzed: 10/5/00 Laboratory ID: T2064-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	14	10
C13-C22	340	10
C23+	140	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T4

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Analyzed: 10/5/00 Laboratory ID: T2064-03

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	39.45	99
Toluene-d8	39.72	99
4-Bromofluorobenzene	34.97	87

	Conc. (µg/Kg)	RL
Compound		(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	. ND	10
2.2-Dichloropropane	'ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND ·	5
Carbon Tetrachloride	NĐ	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	- 5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	. 5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Хујеле	В	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	- 5
1,1,2,2-Tetrachloroethane	ND	. 5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	6	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	. 5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	23	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T5

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2064-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	14	10	
C13-C22	1100	10	
C23+	260	10	

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: T5

Date Sampled: 9/22/00 Date Received: 9/22/00 Date Analyzed: 10/5/00 Laboratory ID: T2064-04

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	37.84	95
Toluene-d8	39.33	98
4-Bromofluorobenzene	39.72	99

Compound	Conc.	RL
	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	. ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
rans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND .	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compaund	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chiorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	- 5
sec-Butylbenzene	16	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	' ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	46	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T6

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2064-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	23	10
C13-C22	730	10
C23+	290	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T6

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Analyzed: 10/5/00 Laboratory ID: T2064-05

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	37.63	94
Toluene-d8	38.20	96
4-Bromofluorobenzene	39.77	99

	Conc.	RL
Compound	(μg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chiorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	15	5
m&p-Xylene	ND	10
o-Xylene	5	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	26	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	41	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	7	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	8	5
sec-Butylbenzene	24	5
1,3-Dichtorobenzene	ND	5
p-Isopropyitoluene	7	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	12	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	13	10
1,2,3-Trichlorobenzene	ND	10
		<u> </u>

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T7

Date Sampled: 9/22/00

Date Received: 9/22/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2064-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	300	10
C23+	160	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T7

Date Sampled: 9/22/00

Date Received: 9/22/00 Date Analyzed: 10/5/00 Laboratory ID: T2064-06

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	38.14	95
Toluene-d8	39.16	98
4-Bromofluorobenzene	37.32	93

Company	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	- ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Consposite	(μg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	- 5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T8

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	· ND	10
C13-C22	110	10
C23>	92	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T9

Date Sampled: 9/26/00

Date Received: 9/27/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2079-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	74	10
C23>	120	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T10

Date Sampled: 9/25/00

Date Received: 9/26/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND -	. 10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T11

Date Sampled: 9/26/00 Date Received: 9/27/00 Date Extracted: 9/29/00

Date Analyzed: 9/29/00 Laboratory ID: T2079-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	· · 10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T11

Date Sampled: 9/26/00

Date Received: 9/27/00 Date Analyzed: 9/29/00

Laboratory ID: T2079-02

Surrogate Compounds	Conc.(µa/Kg)	%Rec
Dibromofluoromethane	35.44	89
Toluene-d8	42.06	105
4-Bromofluorobenzene	37.32	93

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	- 5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachioroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5.
m&p-Xylene	ND	10
o-Xylene	סא	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chiorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	· ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T12

Date Sampled: 9/29/00

Date Received: 9/29/00

Date Extracted: 10/3/00

Date Analyzed: 10/5/00

Laboratory ID: T2097-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	520	10
>C23	340	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T12

Date Sampled: 9/29/00

Date Received: 9/29/00

Date Analyzed: 10/6/00 Laboratory ID: T2097-01

Surrogate Compounds	Conc.(µg/Kg)	%Red
Dibromofluoromethane	36.33	91
Toluene-d8	38.78	97
4-Bromofluorobenzene	44.55	111

Compound	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Вепzепе	53	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	190	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
t,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc.	RL
Composite	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	30	5
m&p-Xylene	96	10
o-Xylene	45	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	470	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	820	5.
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	9	5
tert-Butylbenzene	91	5
1,2,4-Trimethylbenzene	21	5
sec-Butylbenzene	570	5
1,3-Dichlorobenzene	ND	5
p-Isopropyitoluene	. ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	59	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	3,000	10
1,2,3-Trichlorobenzene	ND	10
	-	

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T13

Date Sampled: 9/29/00

Date Received: 9/29/00

Date Extracted: 10/3/00

Date Analyzed: 10/5/00

Laboratory ID: T2097-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T13

Date Sampled: 9/29/00

Date Received: 9/29/00

Date Analyzed: 10/6/00 Laboratory ID: T2097-02

Surrogate Compounds	Conc.(µg/Kg)	%Rec
Dibromofluoromethane	36.75	92
Toluene-d8	38.69	97
4-Bromofluorobenzene	37.12	93

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chioroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	7	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	9	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND .	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	-5
2-Chlorotoluene	ND	5
4-Chlorotaluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	· ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	15	10
1,2,3-Trichlorobenzene	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T14

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T15

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	130	10
C13-C22	8500	10
>C23	2100	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T16

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND ·	10 .
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T17

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T18

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T19

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	· ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T20

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	· ·ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T21

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00 Laboratory ID: T2099-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND .	10
C13-C22	ND .	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T22

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00 Laboratory ID: T2099-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	· 10
C13-C22	ND	. 10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T23

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND .	10
>C23	. NĐ	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T24

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-11

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T25

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00 Laboratory ID: T2099-12

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T26

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-13

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T27

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-14

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	- ND	10
C13-C22	ND ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T28

Date Sampled: 10/2/00 Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-15

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T29

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-16

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	. 10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T30

Date Sampled: 10/2/00

Date Received: 10/2/00

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-17

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	, 10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T31

Date Sampled: 10/10/00

Date Received: 10/10/00

Date Extracted: 10/11/00

Date Analyzed: 10/12/00

Laboratory ID: T2133-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	270	10
C13-C22	5200	10
>C23	2500	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T32

Date Sampled: 10/10/00 Date Received: 10/10/00 Date Extracted: 10/11/00

Date Analyzed: 10/12/00 Laboratory ID: T2133-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND .	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T33

Date Sampled: 10/10/00

Date Received: 10/10/00

Date Extracted: 10/11/00

Date Analyzed: 10/12/00 Laboratory ID: T2133-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T35

Date Sampled: 10/10/00 Date Received: 10/10/00

Date Extracted: 10/11/00

Date Analyzed: 10/12/00 Laboratory ID: T2133-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND.	10
C13-C22	ND ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T36

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	23	10
C13-C22	680	10
>C23	8 20	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T37

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10 .
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T38

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T39

Date Sampled: 10/11/00 Date Received: 10/12/00 Date Extracted: 10/13/00 Date Analyzed: 10/13/00

Laboratory ID: T2137-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T40

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND ND	10
>C23	ND ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T41

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T42

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T43

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-08

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T44

Date Sampled: 10/11/00

Date Received: 10/12/00 Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T45

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
>C23	ND	10

Analytical Report EPA 8015M

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: T46

Date Sampled: 10/17/00

Date Received: 10/18/00

Date Extracted: 10/18/00

Date Analyzed: 10/18/00

Laboratory ID: T2158-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2071-MB Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2079-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	ND	10
C23>	ND	10

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 10/3/00

Date Analyzed: 10/5/00

Laboratory ID: T2097-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C12	ND	10		
C13-C22	ND	10		
>C23	ND	10		

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 10/2/00

Date Analyzed: 10/5/00

Laboratory ID: T2099-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C12	ND	· . 10		
C13-C22	ND	10		
>C23	ND	10		

Quality Control Analysis EPA 8015M

Client: ATC Associates Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 10/13/00

Batch: T-2137

Matrix: Soil

Sample Spiked: T2017-16

Matrix Spike and Matrix Spike Duplicate Analysis

						ΩC L	imms		
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	497	99.4	582	116.4	15.8	20	70-130

Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C12	ND	10		
C13-C22	ND	10		
>C23	ND	10		

Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 10/18/00

Date Analyzed: 10/18/00 Laboratory ID: T2158-M8

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C10	ND	10		
C10-C28	ND	10		
C29-C40	ND	10		

Quality Control Analysis EPA 8015M

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 10/18/00

Batch: T-2158 Matrix: Soil

Sample Spiked: 2155-01

Matrix Spike and Matrix Spike Duplicate Analysis

·			.*					QCI	imits
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	621	124.2	620	124	0.2	20	70-130

Analytical Report EPA 8260

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA Date Received: NA

Date Analyzed: 9/28/00

Laboratory ID: T2071-MB

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	35.54	89
Toluene-d8	39 .96	100
4-Bromofluorobenzene	37.74	94

0	Conc.	RL
Compound	(µg/Kg)	(µg/Kg)
Dichlorodiffuoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1.1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	МD	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

0	Conc.	RL	
Compound	(µg/Kg)	(µg/Kg)	
1,2-Dibromoethane	ND	5	
Chlorobenzene	. ND	5	
1,1,1,2-Tetrachloroethane	ND	5	
Ethyl benzene	ND	5	
m&p-Xylene	ND	10	
o-Xylene	ND	5	
Styrene	ND	5	
Bromoform	ND	5	
Isopropylbenzene	ND	5	
Bromobenzene	ND	5	
1,1,2,2-Tetrachloroethane	ND	5	
1,2,3-Trichloropropane	ND	5	
n-Propylbenzene	ND	.5	
2-Chlorotoluene	ND	5	
4-Chlorotoluene	ND	5	
1,3,5-Trimethylbenzene	ND	5	
tert-Butylbenzene	ND	5	
1,2,4-Trimethylbenzene	ND	5	
sec-Butylbenzene	ND	5	
1,3-Dichlorobenzene	ND	5	
p-Isopropyltoluene	ND	5	
1,4-Dichlorobenzeлe	ND	5	
1,2-Dichlorobenzene	ND	5	
n-Butylbenzene	ND	5	
1,2-Dibromo-3-chloropropane	ND	5	
1,2,4-Trichlorobenzene	ND	10	
Hexachlorobutadiene	ND	10	
Naphthalene	ND	10	
1,2,3-Trichlorobenzene	ND	10	

Quality Control Analysis EPA 8260

Client: ATC Associates Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 9/28/00

Batch: T-2071 Matrix: Soil

Sample Spiked: 2060-16

Matrix Spike and Matrix Spike Duplicate Analysis

								QC	QC Limits	
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery	
1,1 Dichloroethene	100	0.0	106	106	100	100	5.8	20	75-125	
Benzene	100	0.0	102	102	99	99	3.0	20	75-125	
Trichloroethene	100	0.0	112	112	108	108	3.6	20	75-125	
Toluene	100	0.0	104	104	101	101	2.9	20	75-125	
Chlorobenzene	100	0.0	105	105	102	102	2.9	20	75-125	

TTLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Sample I.D.: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 9/27/00 Date Analyzed: 9/27/00

Laboratory ID: T2071-MB Matrix: Soil

Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	ND.	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	ND ND	1
Cobalt	ND	<u> </u>
Copper	ND	1
Lead	, ND	1
Mercury	ND	0.1
Molybdenum	ND ND	1
Nickel	ND	1
Selenium	. ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	ND	1
Zinc	ND	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

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Refinquished by: (signature)  Sample disposal Instructions: Dis	Date / Ti			y: (signature)		Pict	Dati	e/T	ime							on/cold	-					

Client: ATC

Assercial Land

Date:

9-26-00

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# **Chain of Custody Record**

Fax: 7/4 - 734 - 25/6  Fax: 7/4 - 734 - 25/6  Batch #: 2  Sampled Time Sample Container 8010  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  EPA 8020  Date / Time  Date / Time  Date / Time  Date / Time  Date / Time  Date / Time  Date / Time  Date / Time  Date / Time			Cy	urn around time: 火をんて	id tim	roun	urn a				ਰ	Pickup		client	Return to client	ach	Fisposal @ \$2 00 each		Sample disposal Instructions
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Manager: Jan Lava graces  Fax 714-734-0510  Barple ID  Date Sample Container  Type Type Container  Type PA 8010  EPA 8015M (gasoline)  EPA 8015M (dieset)  EPA 6010/7000 RCRA (8) Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals  EPA 6010/7000 Title 22 Metals	_			1,1			_							$\vdash$						174
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Manager: 7cm   Nave Grating   Sample   Cient Project #: 122.255.27.15    Manager: 7cm   Nave Grating   Sample   Cient Project #: 122.255.27.15    Sample ID   Date Sampled   Time   Type   Type   Type   PA 8020    EPA 8015M (gasoline)   EPA 8015M (gasoline)    EPA 8015M (gasoline)   EPA 8015M (gasoline)    EPA 8015M (diesel)   EPA 6010/7000 RCRA (8) Metals    EPA 6010/7000 Title 22 Metals    86/5 A				07		$\exists$											0.50			1
Manager: 724-05203 Fax 714-734-05103 Collector: 72, Cap. Manager: 724-05203 Fax 714-734-05103 Collector: 72, Cap. Manager: 724-05203 Fax 714-734-05103 Collector: 72, Cap. Manager: 724-05203 Fax 714-734-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector: 724-05103 Collector:	$\Box$			20													24.0			7 19
Sample   Date Sample   Time   Type   Type   Container   Type   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Type   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Container   Conta	T			21			_										١.			1/8
Sample   Date Sampled   Time   Type   Type   Type   Type   EPA 8010   EPA 8015M (gasoline)   EPA 8015M (gasoline)   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010/7000 RCRA (8) Metals   EPA 6010	T	7 ( 2 3		70										-						7/7
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Manager: 724-05213  Manager: 724-05213  Fax: 714-734-05213  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collector: 7. Car.  Collec		) Y369		0/		×	<u> </u>		_			Γ			Brass	5,16	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1		H T
Manager: Jen Lave Green  Hul- 134-05 0.3 Fax: 114-734-0510 Collector: N. Ode L-  Manager: Jen Lave Green  Batch #: 2079	Total # of southings	Comments	Preservative	Laboratory ID #	1 00/1 // 2 00	· · · · · · · · · · · · · · · · · · ·	<del> </del>	·	EPA 8015M (gasoline)	EPA 418.1	EPA 8270	EPA 8260		EPA 8010	Container Type	Sample Type	Time			Sample ID
114-134-03 c.3 Fax: 114-734-05113 Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1/2 (14) Collector: 1		)sal #:	Propc			1	17			Ch #	Bal	1		'				most of Barry	]	1 1
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Phone: 714-734-0303 Fax: 714-734-0510

Project Manager: Jen Love Trees.

Date: 10-2-00 Page: 7 Of 7 Orloget Name: Hatbarow, Collector, 1000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collector, 12000 Collect

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client: ATC ASSIC Address: 1732   Trui Phone: 714-734-07 Project Manager: John	503	Fax: 1	4-734	<u>- 0510</u>				Proj Coll	ect ecto	Nan	ne:_	C	25 c	<u></u>		\ 		Clier	e:\O(_\ nt Project #: \(\frac{42 - 2.55}{2.55}\) losal #:	<del>1.000</del> 1
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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client Project #: 472-25527; ccc/ Proposal #:_ trank was Page: Project Name: Hailkannen Date: 10-17-00 10 P Collector: Ni. Batch #: Fax: 714-734. 0510 Project Manager: Clothe Lawsgrace Address: 17321 Irwing Blud Client: ATC ASSOCIATION Phone: 714-734-0-3 0-3

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Date Sampled	10/17/02	-			\										Date / Time	(1/2) collection (1/2)	Date // Ti		Date / Time		Disposal @ \$2.00 each
Sample ID	746				)										Relinquished by: (signature)	Naphan Odol	Refinquished by: (signature)		Relinquished by: (signaturę)		Sample disposal Instructions: Dis

### APPENDIX F

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS – SOIL STOCKPILES

### Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathway Company

Sample ID: S1

Date Sampled: 8/15/00

Date Received: 8/15/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00 Laboratory ID: T1946-14

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	350	10
C23>	480	10

### **Analytical Report EPA 8270**

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S1

Date Sampled: 8/15/00 Date Received: 8/15/00

Date Extracted: 8/28/00

Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.	Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	3.27	65.4	2-Fluorobiphenol	2.90	58.0
Phenol-d6	1.28	25.6	2,4,6-Tribromophenol	3,05	61.0
Nitrobenzene-d5	2.01	40.2	Terphenyl-d14	2.77	<b>5</b> 5.4

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	, ND	300
Aniline	ND	300
Phenoi	ND	1,000
bis ( 2-Chloroethyl ) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzeле	ND	300
1, 4-Dichlorobenzene	ND '	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis ( 2-Chloroisopropyl ) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	NO	300
isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis ( 2-Chloroethoxy ) Methane	. ND	300
Benzoic Acid	ND ·	300
2, 4-Dichtorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachiorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	NO	300
Hexachtorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichiorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	МĎ	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND ·	300
Fluoranthene	ND	300
Benzîdîne	ND	300
Pyrene	ND	300
Butylbenzylphthalate	NO	300
Benzo ( a ) anthrancene	, ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis ( 2-Ethylhexyl ) phthalate	ND	300
Chrysene	NO	300
Di-n-octyl phthalate	ND	300
Benzo ( b ) fluoranthene	NĐ	300
Benzo ( k ) fluoranthene	NO	300
Benzo ( a ) pyrene	NO	300
Indeno ( 1, 2, 3,-cd ) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo ( g, h, i ) perylene	ND	300

### Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S1

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/28/00 Date Analyzed: 8/29/00

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	3.27	65.4
Phenol-d6	1.28	25.6
Nitrobenzene-d5	2.01	40.2
2-Fluorobiphenol	2,90	58.0
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	2.77	55.4

Compound	Concentration (µg/Kg)	Reporting Limits (μg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

### **Analytical Report EPA 8015M**

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S2

Date Sampled: 8/15/00

Date Received: 8/15/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00

Laboratory ID: T1946-15

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1400	· - 10
C13-C22	35000	10
C23>	12000	10

### Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S2

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/28/00 Date Analyzed: 8/29/00

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	2.57	51.4
Phenol-d6	3.70	74.0
Nitrobenzene-d5	2.91	- 58.2
2-Fluorobiphenol	3.69	73.8
2,4,6-Tribromophenol	3.59	71.8
Terphenyl-d14	2.95	59.0

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

### **Analytical Report EPA 8270**

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S2

Date Sampled: 8/15/00 Date Received: 8/15/00 Date Extracted: 8/28/00 Date Analyzed: 8/29/00

 Surrogate Compounds:
 Conc. (mg/Kg)
 % Rec.

 2-Fluoropheno!
 2.57
 51.4

 Phenol-d6
 3.70
 74.0

 Nitrobenzene-d5
 2.91
 58.2

 Surrogate Compounds:
 Conc. (mg/Kg)
 % Rec.

 2-Fluorobiphenol
 3.69
 73.8

 2,4,6-Tribromophenol
 3.59
 71.8

 Terphenyl-d14
 2.95
 59.0

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Compounds	Conc. (µg/Kg)	RL (μg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis ( 2-Chloroethyl ) Ether	ND	300
2-Chiorophenol	ND	1,000
t, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichiorobenzene	ND	300
Benzyl Alcohol	ND	300
bis ( 2-Chloroisopropyl ) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis ( 2-Chloroethoxy ) Methane	ND	300
Benzoic Acid	NO	300
2, 4-Dichlorophenol	ND .	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chioro-3-methylphenol	ND	1,000
2-Methylnaphthalene	17000	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	NO	1,000
2, 4, 5-Trichlorophenol	NO	1,000
2-Chloronaphthalene	NO	900
?-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	· ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,00C
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	. ND	300
Diethylphthalate	ND	300
Fluorene	8800	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	8400	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyt phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	2300	300
Butylbenzylphthalate	ND	300
Benzo ( a ) anthrancene	ND	300
3, 3'-Dichtorobenzidine	ND	300
Bis ( 2-Ethylhexyl ) phthalate	ND	300
Chrysene	2000	300
Di-n-octyl phthalate	ND	300
Benzo ( b ) fluoranthene	ND	300
Benzo ( k ) fluoranthene	NO	300
Benzo ( a ) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	· ND	300
Dibenz ( a, h ) anthracene	ND	300
Benzo ( g, h, i ) perylene	ND	300

### Analytical Report EPA 8020

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S2-1

Date Sampled: 10/23/2000

Date Received: 10/24/2000

Date Analyzed: 10/24/2000.

Laboratory ID: T2178-05 Matrix: Soil

Surrogate Compounds

4-Bromofluorobenzene

Conc.(µg/Kg)

39.7

%Rec.

79

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	78	5
Xylenes	130	15

### Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S3

Date Sampled: 8/15/00

Date Received: 8/15/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00 Laboratory ID: T1946-16

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10 ,
C13-C22	ND ND	10
C23>	ND ND	10

### **Analytical Report EPA 8015M**

Client: ATC Associates Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S4-1

Date Sampled: 8/16/00

Date Received: 8/16/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00 Laboratory ID: T1947-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	110	10
C23>	1200	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	130	10
C22-C30	480	10
>C30	780	10

### Analytical Report EPA 8015M

Client: ATC Associates Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: S4-2

Date Sampled: 8/16/00

Date Received: 8/16/00

Date Extracted: 8/17/00

Date Analyzed: 8/17/00 Laboratory ID: T1947-07

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	180	10
C23>	2600	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	210	10
C22-C30	960	10
>C30	2100	10

### **Analytical Report EPA 8270**

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: S4-2

Date Sampled: 8/16/00 Date Received: 8/16/00 Date Extracted: 8/28/00 Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	1.50	30.0
Phenol-d6	1.33	26.6
Nitrobenzene-d5	1.44	28.8

Surrogate Compounds:	Conc. (mg/Kg)	% Rec
2-Fluorobiphenol	1.61	32.2
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	1.83	36,6

Compounds	Conc. (µg/Kg)	RL (μg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis ( 2-Chloroethyl ) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	, ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	· ND	300
bis ( 2-Chloroisopropyl ) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2. 4-Dimethylphenol	· ND	1,000
bis ( 2-Chloroethoxy ) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	NÖ	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chtoroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND .	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	NO	300
Dirnethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	NO	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dînîtrotoluene	ND	300
Diethylphthalate	ND	300 .
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenot	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	NĐ	300
Carbazole	ND	300
Di-n-butyl phthalate	ND ·	300
Fluoranthene	ND .	300
Benzidine	ND	300
Pyrene	ND	300
Sutylbenzylphthalate	ND	300
Benzo ( a ) anthrancene	, NO	300
3, 3'-Dichtorobenzidine	ND	300
Bis ( 2-Ethylhexyl ) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo ( b ) fluoranthene	ND	300
Benzo ( k ) fluoranthene	ND	300
Benzo ( a ) pyrene	ND	300
Indeno ( 1, 2, 3,-cd ) pyrene	ND	300
Dibenz ( a, h ) anthracene	ND	300
Benzo ( g, h, i ) perylene	ND	300

## Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathway Company Sample ID: S4-2

Date Sampled: 8/16/00 Date Received: 8/16/00

Date Extracted: 8/28/00 Date Analyzed: 8/29/00

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	1.50	30.0
Phenol-d6	1.33	26.6
Nitrobenzene-d5	1.44	28.8
2-Fluorobiphenol	1.61	32.2
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	1.83	36.6

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	. ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND:	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

### **Analytical Report EPA 8020**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: S4-3

Date Sampled: 10/23/2000

Date Received: 10/24/2000

Date Analyzed: 10/24/2000

Laboratory ID: T2178-02

Matrix: Soil

**Surrogate Compounds** 

4-Bromofluorobenzene

Conc.(µg/Kg)

16.9

%Rec.

34

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

^{*}Surrogate out due to matrix effect.

### TTLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Sample I.D.: S4-3

Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Extracted: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-02

Matrix: Soil

Conc. Unit: mg/Kg

### Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	320*	1
Beryllium	ND	1
Cadmium	4	1
Chromium	71	1
Cobalt	12	1
Copper	45	1
Lead	110	1
Mercury	ND -	0.1
Molybdenum	4	1
Nickel	30	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	20	1
Zinc	260	1 .

^{*}Reported from a 10:1 dilution.

TTLC= Total Threshold Limit Concentration.

### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S5

Date Sampled: 8/17/00

Date Received: 8/17/00

Date Extracted: 8/18/00

Date Analyzed: 8/18/00

Laboratory ID: T1952-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	. 46	10
C13-C23	2300	10
C23>	2100	10

### **Analytical Report EPA 8015M**

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: S6-1

Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00 Laboratory ID: T1954-11

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	150	10
C13-C22	370	10
C23>	270	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	80	10
C10-C22	530	10
C22-C30	180	10
>C30	130	10

### **Analytical Report EPA 8015M**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: S6-2

Date Sampled: 8/18/00

Date Received: 8/18/00

Date Extracted: 8/21/00

Date Analyzed: 8/21/00 Laboratory ID: T1954-12

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1900 .	10
C13-C22	5600	. 10
C23>	2600	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	1100	10
C10-C22	6900	10
C22-C30	2100	10
>C30	1300	10

### **Analytical Report EPA 8015M**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: S7-1

Date Sampled: 8/18/00

Date Received: 8/18/00

Date Extracted: 8/21/00

Date Analyzed: 8/21/00

Laboratory ID: T1954-13

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	74	10	
C13-C22	760	10	
C23>	590	10	

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	17	10
C10-C22	990	10
C22-C30	390	10
>C30	310	10

### **Analytical Report EPA 8015M**

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway company Sample ID: S7-2

Date Sampled: 8/18/00 Date Received: 8/18/00 Date Extracted: 8/21/00 Date Analyzed: 8/21/00 Laboratory ID: T1954-14

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	16	10 ' -	
C13-C22	1300	10	
C23>	17000	10	

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	10	10
C10-C22	1300	10
C22-C30	7900	10
>C30	12000	10

### Analytical Report EPA 8015M

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Co. Sample ID: S8

Date Sampled: 8/22/00 Date Received: 8/22/00 Date Extracted: 8/23/00

Date Analyzed: 8/23/00 Laboratory ID: T1959-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	12	10	
C13-C22	480	10	
C23>	580	10	

#### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S9

Date Sampled: 8/24/00

Date Received: 8/25/00

Date Extracted: 8/28/00

Date Analyzed: 8/28/00

Laboratory ID: T1969-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	1600	10	
C23>	44000	10	

#### **Analytical Report EPA 8020**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S9-1

Date Sampled: 10/23/2000

Date Received: 10/24/2000

Date Analyzed: 10/24/2000

Laboratory ID: T2178-01

Matrix: Soil

Surrogate Compounds

4-Bromofluorobenzene

Conc.(µg/Kg)

20.1

%Rec.

40

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

^{*}Surrogate out due to matrix effect.

### TTLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Sample I.D.: \$9-1

Date Sampled: 10/23/2000 Date Received: 10/24/2000 Date Extracted: 10/24/2000 Date Analyzed: 10/24/2000

Laboratory ID: T2178-01

Matrix: Soil Conc. Unit: mg/Kg

#### Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	*250	1
Beryllium	ND	1
Cadmium	5	1
Chromium	21	1
Cobalt	13	1
Copper	71	1
Lead	210	1
Mercury	ND	0.1
Molybdenum	5	1
Nickel	30	1
Selenium	ND .	5
Silver	ND	2
Thallium	ND	2
Vanadium	23	1
Zinc	340*	1

^{*}Reported from a 10:1 dilution.

TTLC= Total Threshold Limit Concentration.

#### **Analytical Report EPA 8015M**

Client: ATC Associates Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S10-1

Date Sampled: 8/28/00

Date Received: 8/28/00

Date Extracted: 8/30/00

Date Analyzed: 8/30/00

Laboratory ID: T1974-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)	
C6-C12	ND	10	
C13-C22	230	10	
C23>	380	10	

### **Analytical Report EPA 8270**

Client: ATC Associates Inc. Project Manager: John Lovegreen Project Name: Hathaway Company

Laboratory ID: T1974-01

Matrix: Soil

Sample ID: S10-1

Date Sampled: 8/28/00 Date Received: 8/28/00 Date Extracted: 8/28/00

Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg) % Rec.	Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	25.63 51.3	2-Fluorobiphenol	19.85	39.7
Phenol-d6	17.60 35.2	2,4,6-Tribromophenol	22.82	45.6
Nitrobenzene-d5	14.00 28.0	Terphenyl-d14	18.51	37.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis ( 2-Chloroethyl ) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis ( 2-Chloroisopropyl ) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis ( 2-Chioroethoxy ) Methane	ND	300
Benzoic Acid	NĐ	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND .	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthaiene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	, ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	DM	300
2, 4-Dinitrototuene	ND	300
Diethylphthalate	ND	300 ·
Flucrene	ND	300
4-Chlorophenyl-phenylether	סא	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidîne	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo ( a ) anthrancene	ND	300
3, 3'-Dichlorobenzidine	<b>N</b> Đ	300
Bis (2-Ethylhexyl) phthalate	NO	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo ( b ) fluoranthene	ND	300
Benzo ( k ) fluoranthene	ND	300 _
Benzo ( a ) pyrene	ND	300
Indeno ( 1, 2, 3,-cd ) pyrene	ND	300
Dibenž ( a, h ) anthracene	ND	300
Benzo ( g, h, i ) perylene	ND	300

### Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S10-1 Date Sampled: 8/28/00

Date Received: 8/28/00 Date Extracted: 8/29/00 Date Analyzed: 8/29/00

Laboratory ID: T1974-01 Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	 %Rec.
2-Fluorophenol	25.63·	51.3
Phenol-d6	17.60	35.2
Nitrobenzene-d5	14.00	28.0
2-Fluorobiphenol	<b>1</b> 9.85	39.7
2,4,6-Tribromophenol	22.82	45.6
Terphenyl-d14	<b>1</b> 8.51	37.0

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

### **Analytical Report EPA 8015M**

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: S10-2
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-02

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	67	10
C13-C22	820	10
C23>	590	10

### **Analytical Report EPA 8270**

Client: ATC Associates Inc. Project Manager: John Lovegreen Project Name: Hathaway Company

Laboratory ID: T1974-02

Matrix: Soil

Sample ID: S10-2

Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	26.20	52.4
Phenol-d6	18.88	37.8
Nitrobenzene-d5	22.68	45.4

Surrogate Compounds:	Conc. (mg/Kg)	% Rec
2-Fluorobiphenol	21.66	43.3
2,4,6-Tribromophenol	16.15	32.3
Terphenyl-d14	17.55	35.1

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	. ND	1,000
bis ( 2-Chloroethyl ) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
t, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis ( 2-Chloroisopropyl ) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propytamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis ( 2-Chloroethoxy ) Methane	ND	300
Benzoic Acid	ND -	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	NÔ	300
Hexachtorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	690	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	· ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	610	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachtorobenzene	ND	300
Pentactorophenol	ND	1,000
Phenanthrene	900	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyt phthalate	· ND	300
Fluoranthene	. ND	300
Benzidîne	ND	300
Pyrene	ON	300
Butylbenzylphthalate	" ND	300
Benzo ( a ) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	В	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo ( b ) fluoranthene	ND	300
Benzo ( k ) fluoranthene	ND	300 _
Benzo ( a ) pyrene	ND	300
Indeno ( 1, 2, 3,-cd ) pyrene	ND	300
Dibenz ( a, h ) anthracene	ND	300
Benzo ( g, h, i ) perylene	ND	300

### Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S10-2

Date Sampled: 8/28/00

Date Received: 8/28/00

Date Extracted: 8/29/00

Date Analyzed: 8/29/00

Laboratory ID: T1974-02

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	26.20	52.4
Phenol-d6	18.88	37.8
Nitrobenzene-d5	22.68	45.4
2-Fluorobiphenol	21.66	43.3
2,4,6-Tribromophenol	16,15	32.3
Terphenyl-d14	17.55	35.1

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80 .
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

### Analytical Report EPA 8015M

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S11

Date Sampled: 8/30/00

Date Received: 8/30/00

Date Extracted: 8/31/00

Date Analyzed: 9/1/00

Laboratory ID: T1987-10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5000	10
C13-C22	12000	10
C23>	6800	10

#### **Analytical Report EPA 8015M**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S12

Date Sampled: 8/30/00 Date Received: 8/30/00

Date Extracted: 8/31/00 Date Analyzed: 9/1/00

Laboratory ID: T1987-11 Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1400	10
C13-C22	13000	10
C23>	10000	10

#### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

hathaway Company

Sample ID: S13

Date Sampled: 9/1/00

Date Received: 9/1/00

Date Extracted: 9/8/00

Date Analyzed: 9//8/00

Laboratory ID: T2006-09

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	160	. 10
C13-C22	840	10
C23>	630	10

### Analytical Report EPA 8015M

Client: ATC Associates, Inc. Project Manager. John Lovegreen

Project Name Hathaway Company Sample ID: S14

Date Sampled: 9/6/00 Date Received: 9/6/00 Date Extracted: 9/8/00

Date Analyzed: 9/8/00 Laboratory ID: T2010-06

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	410	. 10
C13-C22	4500	10
C23>	1100	10

### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S15

Date Sampled: 9/7/00 Date Received: 9/7/00

Date Extracted: 9/25/00 Date Analyzed: 9/25/00

Laboratory ID: T2013-01

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	110	10
C13-C22	1400	10
C23>	1400	10

#### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S16-1

Date Sampled: 9/26/00

Date Received: 9/27/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2079-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	6000	10
C13-C22	9700	10
C23>	3400	10

### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S16-2

Date Sampled: 9/26/00

Date Received: 9/27/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2079-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	280	10
C23>	280	10

### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S16-3

Date Sampled: 9/26/00

Date Received: 9/27/00

Date Extracted: 9/29/00

Date Analyzed: 9/29/00

Laboratory ID: T2079-05

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	69	10
C23>	110	10

#### **Analytical Report EPA 8020**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: S16-4

Date Sampled: 10/23/2000 Date Received: 10/24/2000 Date Analyzed: 10/24/2000 Laboratory ID: T2178-03

Matrix: Soil

Surrogate Compounds 4-Bromofluorobenzene Conc.(µg/Kg) 41.6 <u>%Rec.</u> 83

 Compound
 Concentration (μg/Kg)
 Detection Limit (μg/Kg)

 Benzene
 ND
 5

 Toluene
 ND
 5

 Ethyl benzene
 ND
 5

 Xylenes
 ND
 15

### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S17-1

Date Sampled: 9/29/00

Date Received: 9/29/00

Date Extracted: 10/3/00

Date Analyzed: 10/5/00

Laboratory ID: T2097-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND ND	10
C13-C22	19	10
>C23	28	10

### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S17-2

Date Sampled: 9/29/00

Date Received: 9/29/00

Date Extracted: 10/3/00

Date Analyzed: 10/5/00

Laboratory ID: T2097-04

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S18-1

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-11

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	140	10
C13-C22	1500	10
>C23	1500	10

#### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: S18-2

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-12

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	120	10
C13-C22	610	10
>C23	590	10

### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: S18-3

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-13

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	9500	10
C13-C22	15000	10
>C23	8000	10

### **Analytical Report EPA 8020**

Client: ATC Associates, Inc.

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S18-4

Date Sampled: 10/23/2000

Date Received: 10/24/2000

Date Analyzed: 10/24/2000

Laboratory ID: T2178-04

Matrix: Soil

Surrogate Compounds

4-Bromofluorobenzene

Conc.(ug/Kg)

35.0

%Rec.

70

Compound	Concentration (µg/Kg)	Detection Limit (μg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	17	5
Xylenes	47	15

### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S19-1

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00 Laboratory ID: T2137-14

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	. 5000	10
C13-C22	17000	10
>C23	11000	10

### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: S19-2

Date Sampled: 10/11/00

Date Received: 10/12/00

Date Extracted: 10/13/00

Date Analyzed: 10/13/00

Laboratory ID: T2137-15

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C12	97	10		
C13-C22	2000	10		
>C23	1600	10		

### STLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample I.D.: Comp.

Date Sampled: NA

Date Received: NA

Date Extracted: 10/24/00

Date Analyzed: 10/26/00 Laboratory ID: T2178-comp

Matrix: Soil

Conc. Unit: mg/L

#### Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.		
Lead	ND	0.1		

STLC= Soluable Threshold Limit Concentration.

### Analytical Report EPA 8015M

Client: ATC Associates

Project Manager: John Lovegreen

**Project Name** 

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA

Date Received: NA

Date Extracted: 8/18/00

Date Analyzed: 8/18/00

Laboratory ID: T1952-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C12	ND	10 .		
C13-C23	NĎ	10		
C23>	ND	10		

### **Analytical Report EPA 8015M**

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 8/30/00

Date Analyzed: 8/30/00 Laboratory ID: T1974-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)		
C6-C12	ND	10		
C13-C22	ND	10		
C23>	ND	10		

### **Quality Control Analysis EPA 8270**

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 8/29/00

Batch ID: T-1974 Matrix; Soil

Sample Spiked: LCS

#### Matrix Spike and Matrix Spike Duplicate Analysis

								QC	Limits
Compound	Conc.Spike Added(mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
Phenol	50	0	26	52	28	56	7	42	12-89
2-Chlorophenol	50	0	35	70	39	78	11	40	27-123
1,4-Dichlorobenzene	50	0	33	66	37	74	11	28	36-97
N-nitroso-di-n-propy	50	0	26	52	28	56	7	38	41-116
1,2,4-Trichlorobenzene	50	0	47	94	43	86	9	28	39-98
4-Chloro-3-methlyphe	50	0	26	52	27	54	4	42	23-97
Acenaphthene	50	0	37	74	38	76	3	31	46-118
4-Nitrophenol	50	0	28	<b>5</b> 6	19	38	38	50	10-80
2,4-Dinitrotoluene	50	0	14	28	12	24	15	38	24-96
Pentachlorophenol	50	0	48	96	37	74	26	50	9-103
Pyrene	50	0	27	54	29	58	7	31	26-127

### **Analytical Report EPA 8270**

Client: ATC Associates Inc. Project Manager. John Lovegreen Project Name: Hathaway Company

Laboratory ID: T1974-MB

Matrix: Soil

Sample ID: Method Blank

Date Sampled: NA
Date Received: NA
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	26.84	53.7
Phenol-d6	29.34	58.7
Nitrobenzene-d5	21.49	43.0

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	19.55	39.1
2,4,6-Tribromophenol	34.51	69.0
Terphenyl-d14	28.14	56.3

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis ( 2-Chloroethyl ) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dîchlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis ( 2-Chloroisopropyl ) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	МĎ	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis ( 2-Chloroethoxy ) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	. ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dirnethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	NĎ	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND .	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	'ND	300
Benzidine	ND	300
Pyrene	ND .	300
Butyibenzylphthalate	ND	300
Benzo ( a ) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo ( b ) fluoranthene	ND	300
Benzo ( k ) fluoranthene	ND	300
Benzo ( a ) pyrene	, ND	300
indeno ( 1, 2, 3,-cd ) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo ( g, h, i ) perylene	ND	300

### **Analytical Report EPA 8015M**

Client: ATC Associates

Project Manager: John Lovegreen

Project Name

Hathaway Company

Sample ID: Method Blank

Date Sampled: NA Date Received: NA

Date Extracted: 9/25/00

Date Analyzed: 9/25/00 Laboratory ID: T2013-MB

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg) 10		
C6-C12	ND			
C13-C22	ND	10		
C23>	ND	10		

### Quality Control Analysis EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 10/5/00

Batch: T-2099 Matrix: Soil

Sample Spiked: 2059-22

Matrix Spike and Matrix Spike Duplicate Analysis

					QÇT	imits			
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	548	109.6	573	114.6	4.5	20	70-130

# Quality Control Analysis EPA 8080

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 8/29/00 Batch ID: T-1974 Matrix: Soil Sample Spiked: LCS

Matrix Spike and Matrix Spike Duplicate Analysis

								QC	Limits
Compound	Conc.Spike Added(mg/Kg)	Sample Result	Conc. MS	- % Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
Phenol	50	0	26	52	28	56	7	42	12-89
2-Chlorophenol	50	0	35	70	39	78	11	40	27-123
1,4-Dichlorobenzene	50	0	33	66	37	74	11	28	36-97
N-nitroso-di-n-propy	50	0	26	52	28	56	7	38	41-116
1,2,4-Trichlorobenzene	50	0	47	94	43	86	9	28	39-98
4-Chloro-3-methlyphe	50	0	26	52	27	54	4	42	23-97
Acenaphthene	50	0	37	74	38	76	3	31	46-118
4-Nitrophenol	50	0	28	56	19	38	38	50	10-80
2,4-Dinitrotoluene	50	Ö	14	28	12	24	15	38	24-96
Pentachlorophenol	50	0	48	96	37	74	26	50	9-103
Pyrene	50	0	27	54	29	58	7	31	26-127

## Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA Date Received: NA Date Extracted: 8/29/00

Date Analyzed: 8/29/00 Laboratory ID: T1974-MB

Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	26.84	53.7
Phenol-d6	29.34	58.7
Nitrobenzene-d5	21.49	43.0
2-Fluorobiphenol	19.55	39.1
2,4,6-Tribromophenol	34.51	69.0
Terphenyl-d14	28.14	56.3

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

# **Analytical Report EPA 8020**

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Sample ID: Method Blank Date Sampled: NA

Date Received: NA
Date Analyzed: 10/24/2000
Laboratory ID: T2178-MB

Matrix: Soil

Surrogate Compounds 4-Bromofluorobenzene Conc.(µg/Kg) 51.1 %Rec.

Compound	Concentration (µg/Kg)	Detection Limit (μg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

### **Quality Control Analysis EPA 8020**

Client: ATC Assocites, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Date Analyzed: 10/24/2000

Batch: T-2178 Matrix: Soil Sample Spiked: LCS

Matrix Spike and Matrix Spike Duplicate Analysis

								QC	Limits
Сотроила	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
BENZENE	· 100	0	102	102	89	89	13.6	20	70-130
TOLUENE	100	0	104	104	109	109	4.7	20	70-130
E THYLBENZENE	100	0	103	103	108	108	4.7	20	70-130
TOTAL XYLENES	300	0	314	<b>1</b> 05	327	109	4.1	20	70-130

## TTLC Metal Analysis

### MS/MSD Report

Client: ATC Associates, Inc. Project Manager: John Lovegreen

Project Name Hathaway Company Date Extracted: 10/24/2000 Date Analyzed: 10/24/2000

Batch: T-2178 Matrix: Soil

Sample Spiked: 2167-36

### Metal Analysis by I.C.P. EPA 6010

							QC	Limits
Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	RPD	%Rec.
Arsenic	100	120	120	116	116	3.4	30	40-150
Barium	100	91	91	88	88	3.4	30	40-150
Cadmium	100	92	92	88	88	4.4	30	40-150
Chromium	100	88	88	87	87	1.1	30	40-150
Lead	100	88	88	87	87	1.1	30	40-150

TTLC= Total Threshold Limit Concentration.

## TTLC Metal Analysis

Client: ATC Associates

Project Manager: John Lovegreen

Project Name Hathaway Company Sample I.D.: Method Blank

Date Sampled: NA Date Received: NA

Date Extracted: 10/24/2000 Date Analyzed: 10/24/2000 Laboratory ID: T2178-MB

Matrix: Soil Conc. Unit: mg/Kg

### Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND:	5
Barium	ND	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	ND	1
Cobalt	. ND	1
Copper	ND	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	ND	1
Nickel	ND ND	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	ND	1
Zinc	ND	1

TTLC= Total Threshold Limit Concentration.

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Project Name: Healtaural
Collector: Al-1959
Batch #: T-1959 3 Fax: 714-4 734-0510 2×2-Fusy Client: ATC Associates (me Address: 17321 Irviva Phone: 714 - 734-0303 Project Manager:

Client Project #: 42.25527.000

Project Manager:	Love-green	0 -4 11	0.210	. ₹ [*] •**	, П	Batch #: 1-1959	श । इ. #	11	-(959	\ \ _		Prop	Proposal #:	
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Sample disposal Instructions: (	Disposal @ \$2.00 each	Return	Return to client	ā	Pickup	. <u>l</u>		1						]

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777 Client Project #: 42.26527.000 Proposal #; Company

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Total # of containers

62V

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Date: -6/30/00 Project Name: - Uaxto Collector: Al. Ddul Fax: 714-734 - 05 D Address: 7321 Irvin Bld, 2nd floor Turin, CA Project Manager: John Lowezner Client: ATC MS6ciolus Tue Phone: 714-134-0303

Client Project #: 25557-000

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Return to client

Sample disposal Instructions: Oisposal @ \$2.00 each

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# Chain of Custody Record

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Client Project #: 42.25527.000 Proposal #: Page: Address: 13321 Anim Bld. Phone: 714-734-0303 Project Manager: A phw Client: AIC ASSOCIALS

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Pickup Return to client Sample disposal Instructions: Disposal @ \$2.00 each Turn around time:_ Seceived by: (signature) Date / Time Relinquished by: (signature) Received good condition/cold Seals intact? Y/N/NA Received by: (signature) Date / Time Relinquished by: (signature) Chain of Custody seals Y/N/NA Date Time Notes Total # of containers Received by: (signature) Relinquished by: (signature) Date / Time 4 4 金额 2,00 ** 10H وتوفق C13-513 ठास W0812 00-1-6 OH 70 বান -400111 1 00-L-L " 49wg 4 05: 01 ji) 賽EPA 8260 次。 71.13 99-1-6 Comments EPA 8270 EPA 8010 Total # of containers Laboratory ID EPA 6010/7000 Title 22 Metals EPA 6010/7000 RCRA (8) Metals EPA 8015M (diesel) EPA 8015M (gasoline) EPA 8020 Type Туре Date Sampled Cl alqms2 8012 M-CC Container Sample Project Name: Collector: Name: Bajtch #: Proposal #:_ Project Manager: Client Project #: 42.255 27.000 Fax: 714~715 - 0510

Project Name: Collector: Batch #: Fax: 714-A PARTIE A Associates Address: 17 371 Twirm Phone: 714-0303 Project Manager: Client: ATC

Client Project #: 42.25535.898

Proposal #:

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Return to client

Disposal @ \$2.00 each

Sample disposal Instructions:

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Client Project #: 42-25527.000 Proposal #:_ Collector Name: Harhauxu Batch #: Lovegneer Phone: 714-734-0303 Project Manager: Zon Address: 17321 Client:

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Chain of Custod

SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777

Fax: 714-734-6510 LUSTIN , CA -PURGANDON Address: 1732/ Tryine Bld ASSOCIALES Phone: 714-734-0367 Project Manager: John Client: AT C

Ompany Client Project #: 42.255527.000 _Proposal #:_ Date: 10-11-00
Project Name: Hathauxay
Collector: A. Dala

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Return to client

Sample disposal Instructions: Disposal @ \$2.00 each

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SunStar Laboratories, Inc. 3002 Dow Ave, Ste. 406 Tustin, CA 92780 1-800-781-6777 Client: AT C #SSC(1011)

Address: 13321 Troint Wall. Tusting C Fr

Phone: 714-734-0310

Project Manager: 562 Lare man

Date: 10 - 273-015 Page: 1 Of Project Name: 上れかない。 Client Project #: ソジダくごこうか Batch #: 2178 Proposal #:

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